Participant ID: d275b5c4-be08-4907-a032-62c6adfb8a34

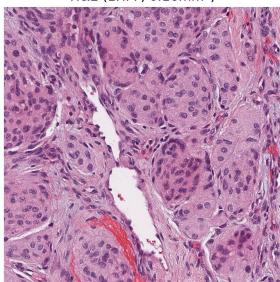
Your Result: TP=67, FP=7, FN=21, Precision=0.905, Recall/Sensitivity=0.761, F1=0.827

Time to Finish: 20 minutes 11 seconds

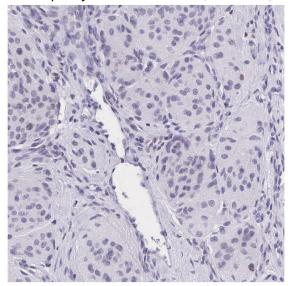
Nomenclature

- **Ground truth**: mitotic events on H&E after referencing Phosphorylated Histone H3 (PHH3) IHC staining;
- TP: true positive, you labeled a ground truth mitosis correctly;
- FP: false positive, no ground truth mitosis is within 15µm of your label;
- FN: false negative, you did not label within 15µm of a ground truth mitosis;
- Recall/Sensitivity: TP / (TP + FN)
- Precision: TP / (TP + FP)
- F1: 2 * Precision * Recall / (Precision + Recall)

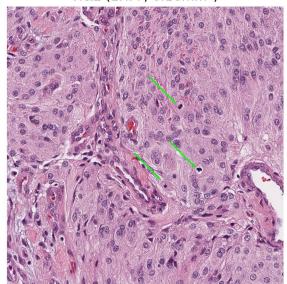
H&E (1HPF, 0.16mm²)



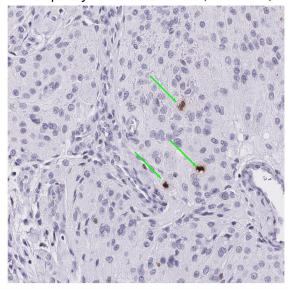
Phosphorylated Histone H3 (0.16mm²)



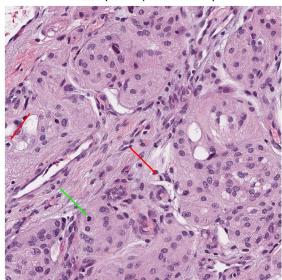
H&E (1HPF, 0.16mm²)



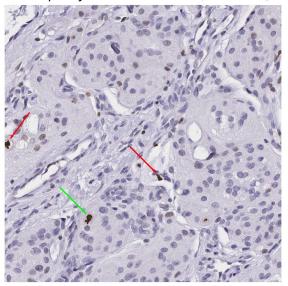
Phosphorylated Histone H3 (0.16mm²)



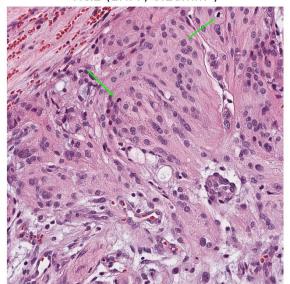
H&E (1HPF, 0.16mm²)



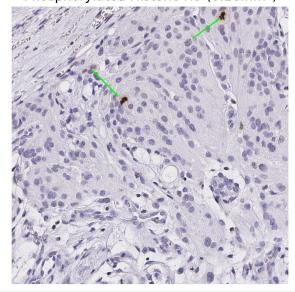
Phosphorylated Histone H3 (0.16mm²)



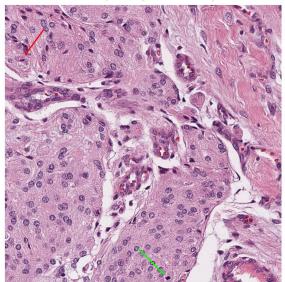
H&E (1HPF, 0.16mm²)



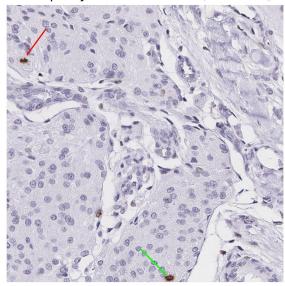
Phosphorylated Histone H3 (0.16mm²)



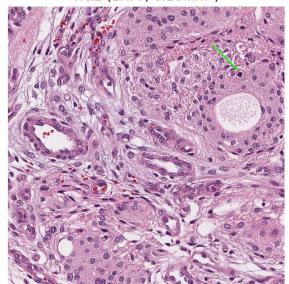
H&E (1HPF, 0.16mm²)



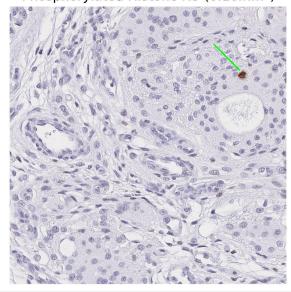
Phosphorylated Histone H3 (0.16mm²)



H&E (1HPF, 0.16mm²)



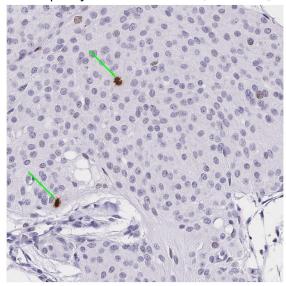
Phosphorylated Histone H3 (0.16mm²)



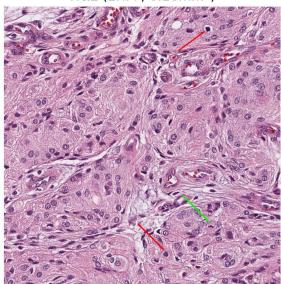
H&E (1HPF, 0.16mm²)



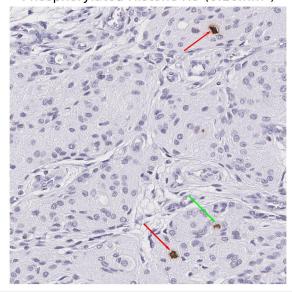
Phosphorylated Histone H3 (0.16mm²)



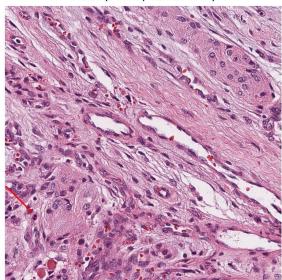
H&E (1HPF, 0.16mm²)



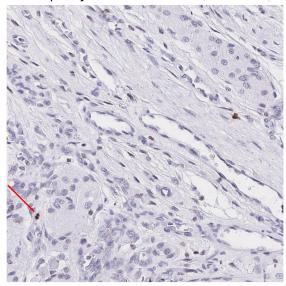
Phosphorylated Histone H3 (0.16mm²)



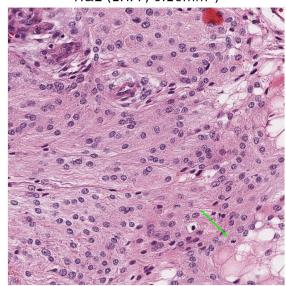
H&E (1HPF, 0.16mm²)



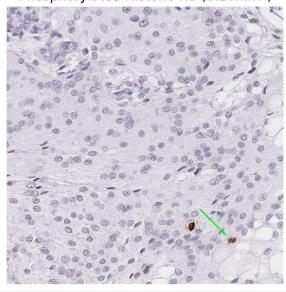
Phosphorylated Histone H3 (0.16mm²)



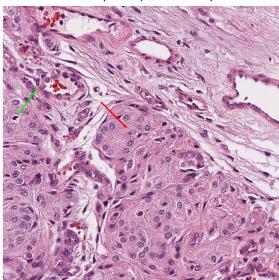
H&E (1HPF, 0.16mm²)



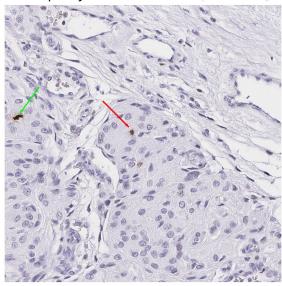
Phosphorylated Histone H3 (0.16mm²)



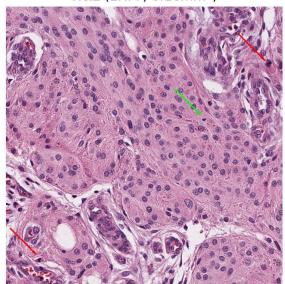
H&E (1HPF, 0.16mm²)



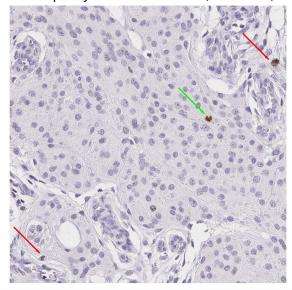
Phosphorylated Histone H3 (0.16mm²)



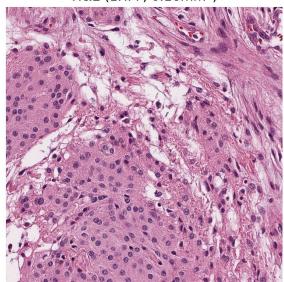
H&E (1HPF, 0.16mm²)



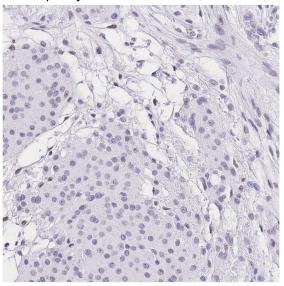
Phosphorylated Histone H3 (0.16mm²)



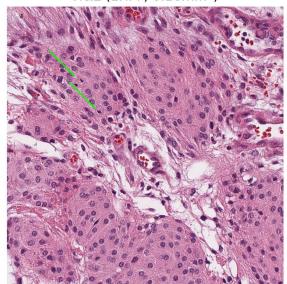
H&E (1HPF, 0.16mm²)



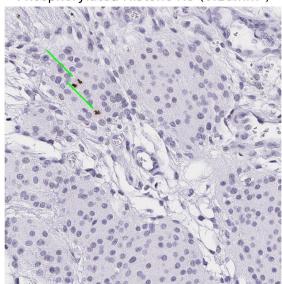
Phosphorylated Histone H3 (0.16mm²)



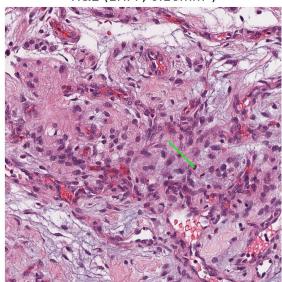
H&E (1HPF, 0.16mm²)



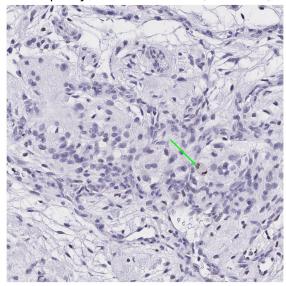
Phosphorylated Histone H3 (0.16mm²)



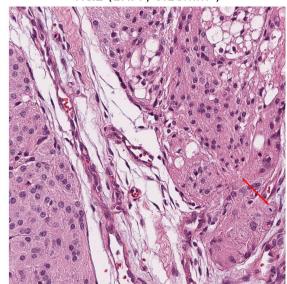
H&E (1HPF, 0.16mm²)



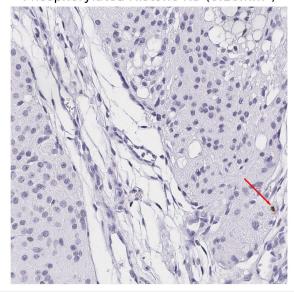
Phosphorylated Histone H3 (0.16mm²)



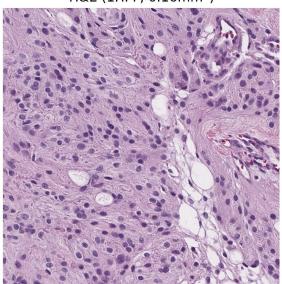
H&E (1HPF, 0.16mm²)



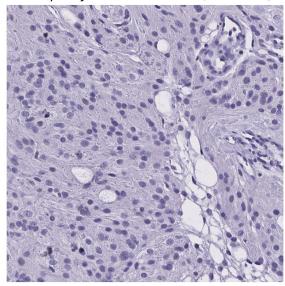
Phosphorylated Histone H3 (0.16mm²)



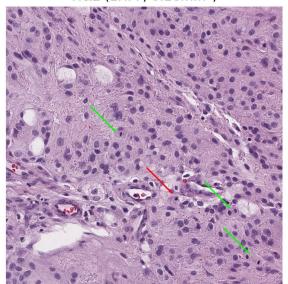
H&E (1HPF, 0.16mm²)



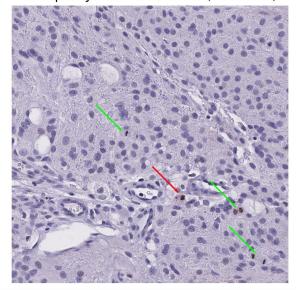
Phosphorylated Histone H3 (0.16mm²)



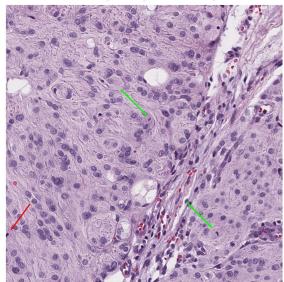
H&E (1HPF, 0.16mm²)



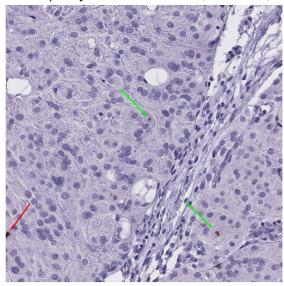
Phosphorylated Histone H3 (0.16mm²)



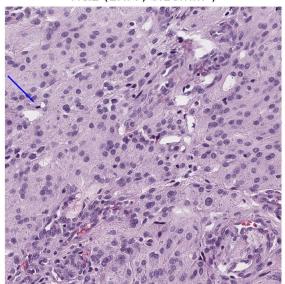
H&E (1HPF, 0.16mm²)



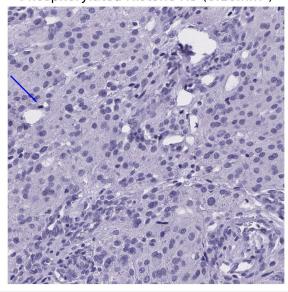
Phosphorylated Histone H3 (0.16mm²)



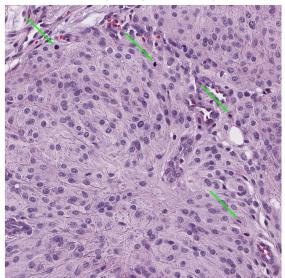
H&E (1HPF, 0.16mm²)



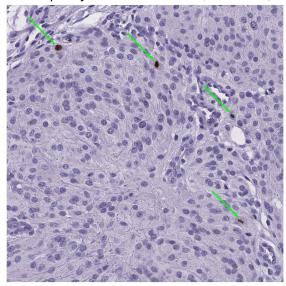
Phosphorylated Histone H3 (0.16mm²)



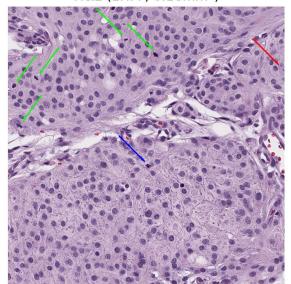
H&E (1HPF, 0.16mm²)



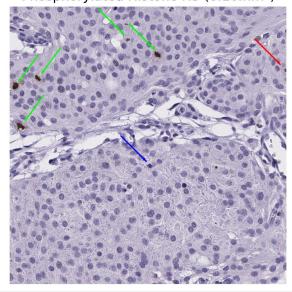
Phosphorylated Histone H3 (0.16mm²)



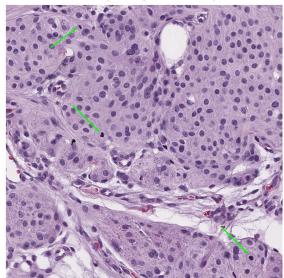
H&E (1HPF, 0.16mm²)



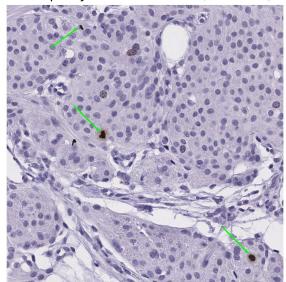
Phosphorylated Histone H3 (0.16mm²)



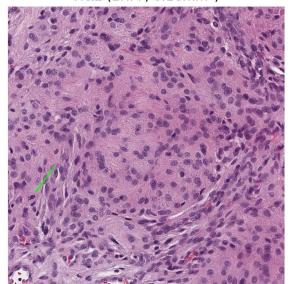
H&E (1HPF, 0.16mm²)



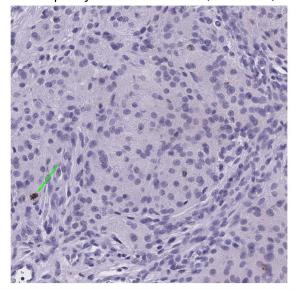
Phosphorylated Histone H3 (0.16mm²)



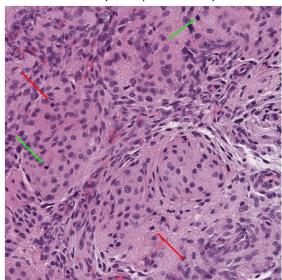
H&E (1HPF, 0.16mm²)



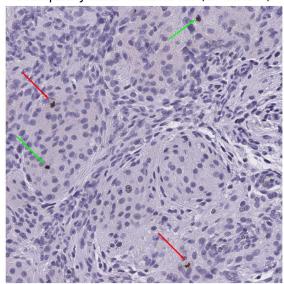
Phosphorylated Histone H3 (0.16mm²)



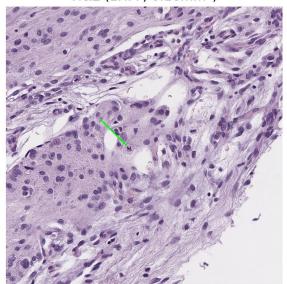
H&E (1HPF, 0.16mm²)



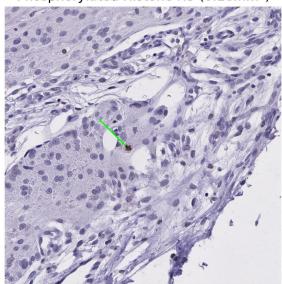
Phosphorylated Histone H3 (0.16mm²)



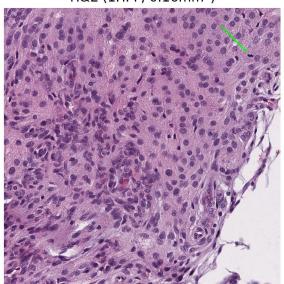
H&E (1HPF, 0.16mm²)



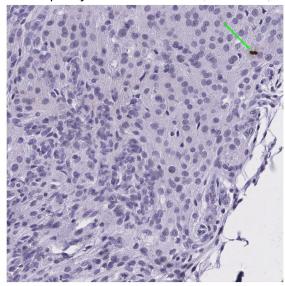
Phosphorylated Histone H3 (0.16mm²)



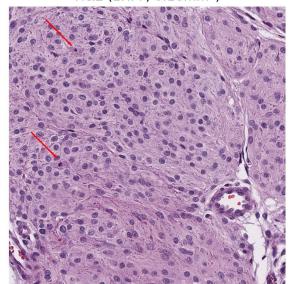
H&E (1HPF, 0.16mm²)



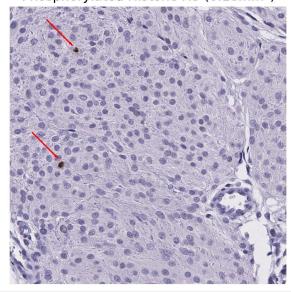
Phosphorylated Histone H3 (0.16mm²)



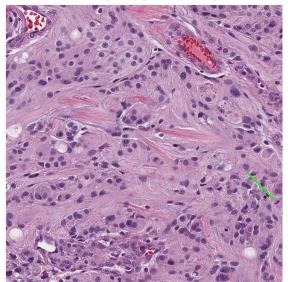
H&E (1HPF, 0.16mm²)



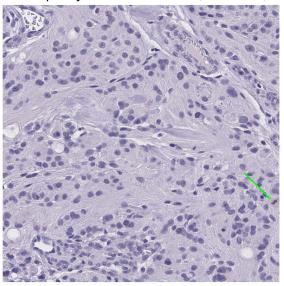
Phosphorylated Histone H3 (0.16mm²)



H&E (1HPF, 0.16mm²)

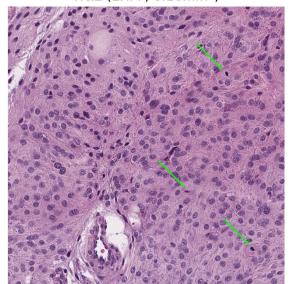


Phosphorylated Histone H3 (0.16mm²)

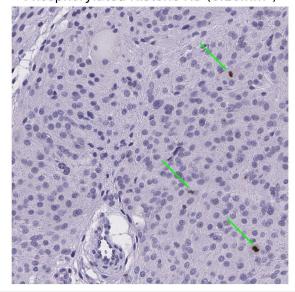


Green arrow: correct (True Positive) Red arrow: missed mitosis (False Negative) Blue arrow: wrong label (False Positive)

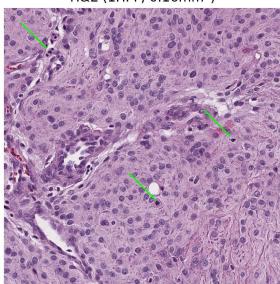
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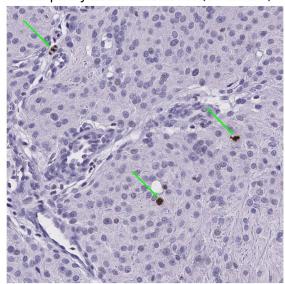
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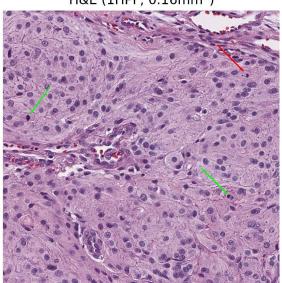
H&E (1HPF, 0.16mm²)



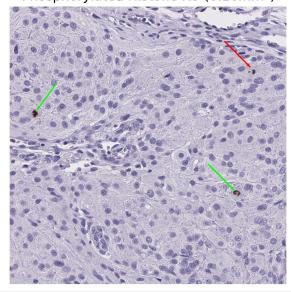
Phosphorylated Histone H3 (0.16mm²)



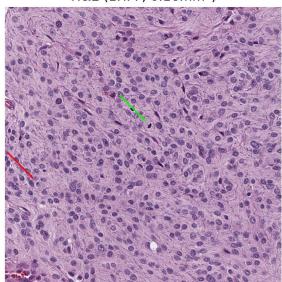
H&E (1HPF, 0.16mm²)



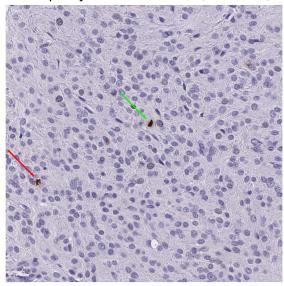
Phosphorylated Histone H3 (0.16mm²)



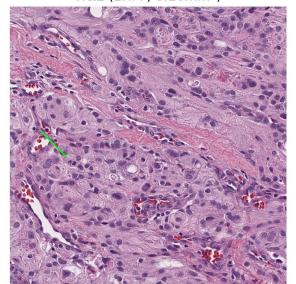
H&E (1HPF, 0.16mm²)



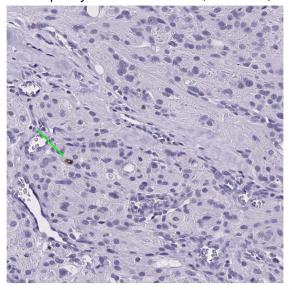
Phosphorylated Histone H3 (0.16mm²)



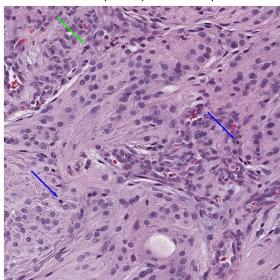
H&E (1HPF, 0.16mm²)



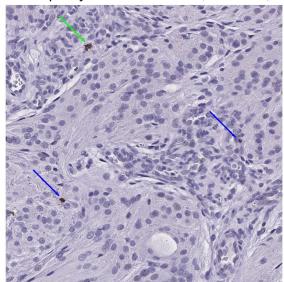
Phosphorylated Histone H3 (0.16mm²)



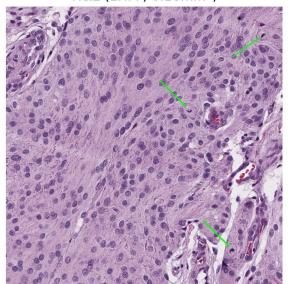
H&E (1HPF, 0.16mm²)



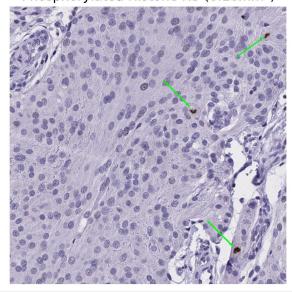
Phosphorylated Histone H3 (0.16mm²)



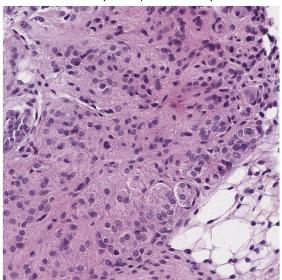
H&E (1HPF, 0.16mm²)



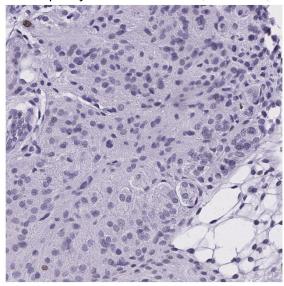
Phosphorylated Histone H3 (0.16mm²)



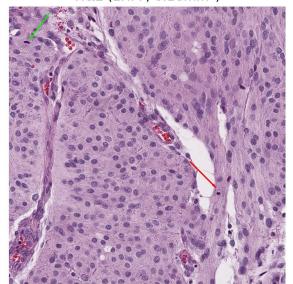
H&E (1HPF, 0.16mm²)



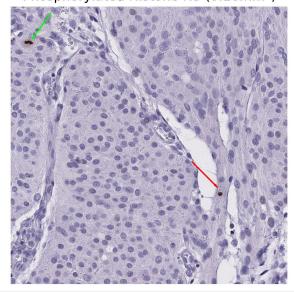
Phosphorylated Histone H3 (0.16mm²)



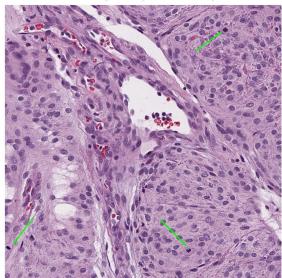
H&E (1HPF, 0.16mm²)



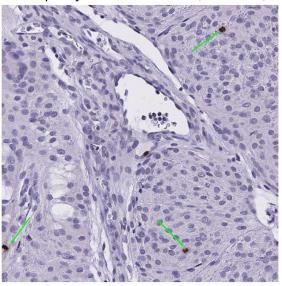
Phosphorylated Histone H3 (0.16mm²)



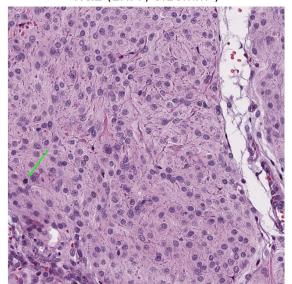
H&E (1HPF, 0.16mm²)



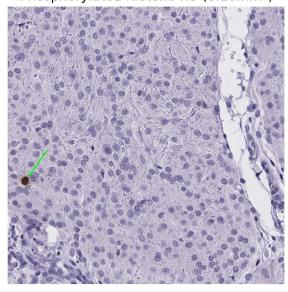
Phosphorylated Histone H3 (0.16mm²)



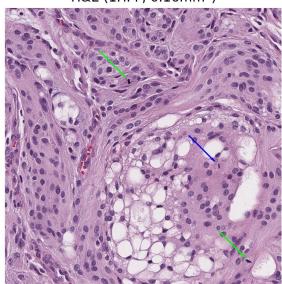
H&E (1HPF, 0.16mm²)



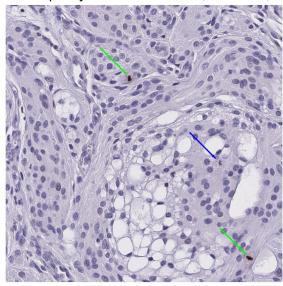
Phosphorylated Histone H3 (0.16mm²)



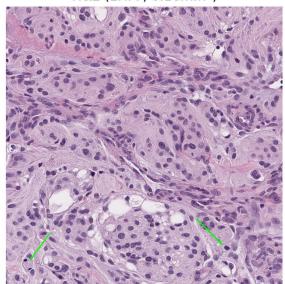
H&E (1HPF, 0.16mm²)



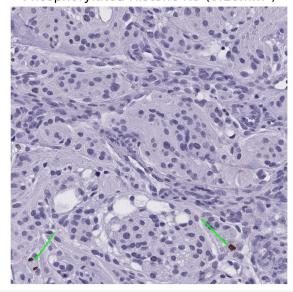
Phosphorylated Histone H3 (0.16mm²)



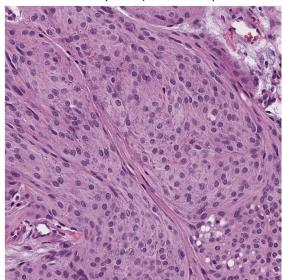
H&E (1HPF, 0.16mm²)



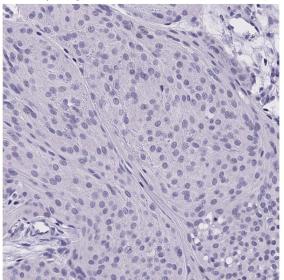
Phosphorylated Histone H3 (0.16mm²)



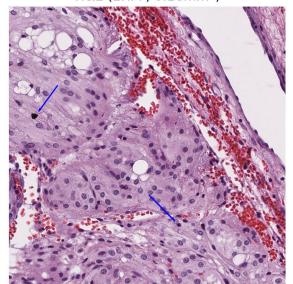
H&E (1HPF, 0.16mm²)



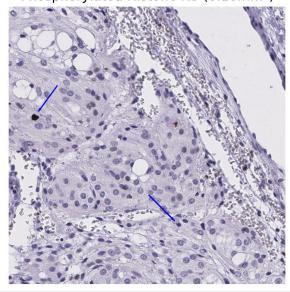
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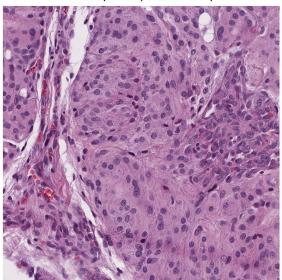
H&E (1HPF, 0.16mm²)



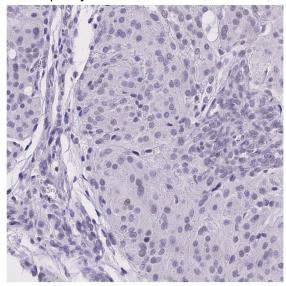
Phosphorylated Histone H3 (0.16mm²)



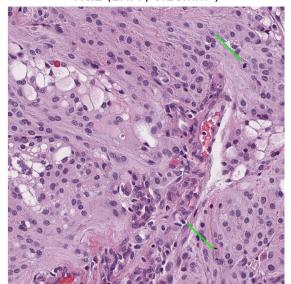
H&E (1HPF, 0.16mm²)



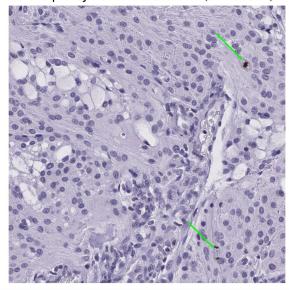
Phosphorylated Histone H3 (0.16mm²)



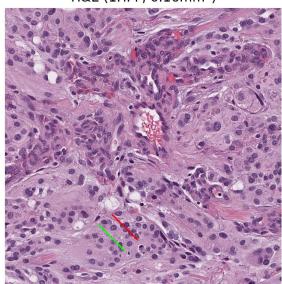
H&E (1HPF, 0.16mm²)



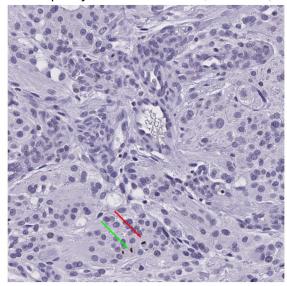
Phosphorylated Histone H3 (0.16mm²)



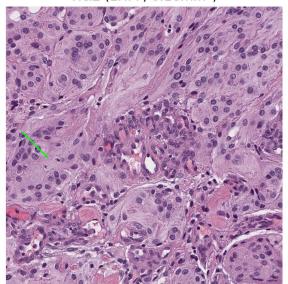
H&E (1HPF, 0.16mm²)



Phosphorylated Histone H3 (0.16mm²)



H&E (1HPF, 0.16mm²)



Phosphorylated Histone H3 (0.16mm²)

