

**IL-22 activates oxidant signaling in pulmonary vascular smooth muscle cells**

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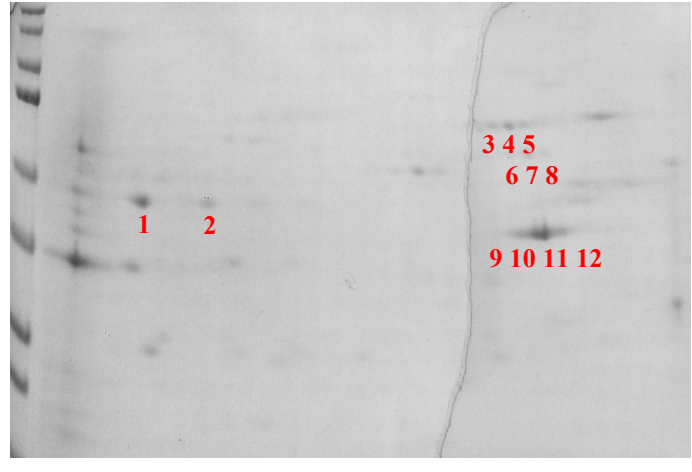
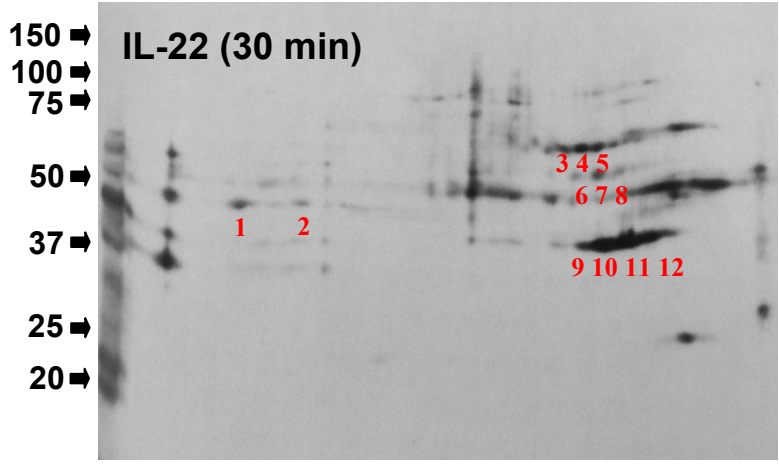
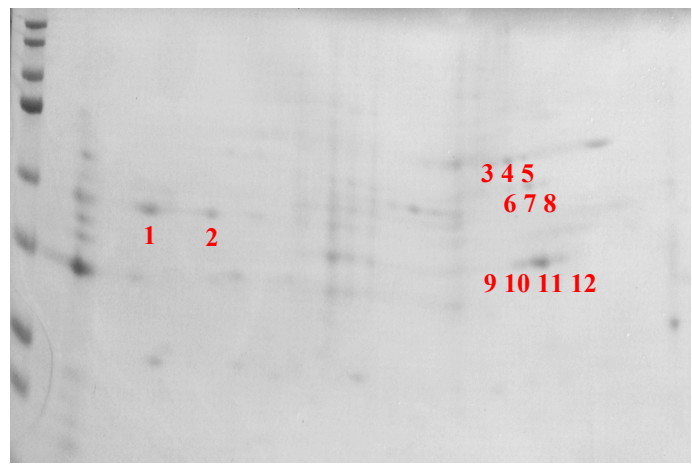
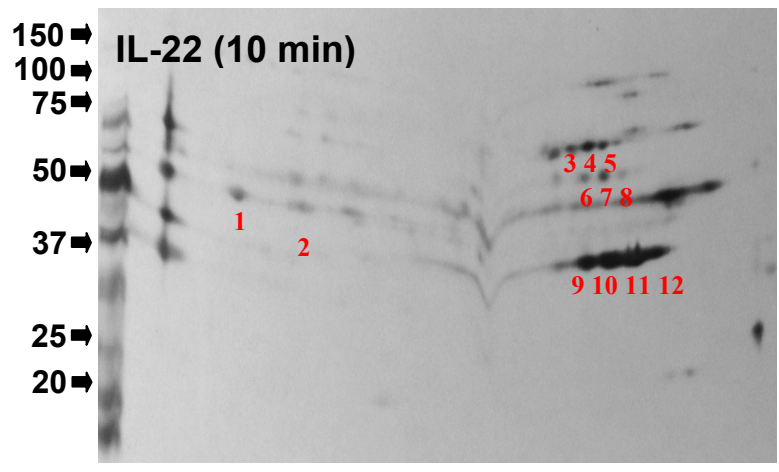
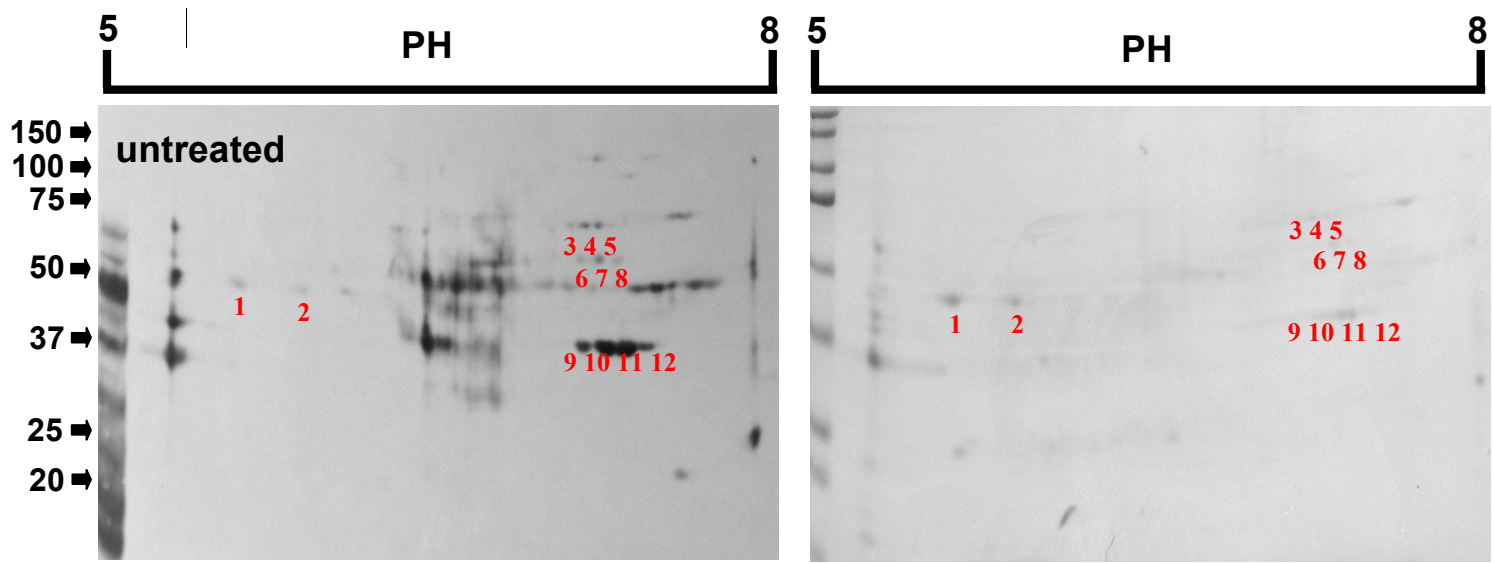
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**Supplemental Figure: Identifications of carbonylated proteins in response to IL-22.** Human pulmonary artery SMCs were treated with IL-22 (10 ng/ml) for 10 or 30 min. Cell lysates were derivatized with DNPH, subjected to 2-dimensional gel electrophoresis, followed by immunoblotting. Corresponding Coomassie Blue stained spots were analyzed by mass spectrometry as described previously (Wong et al., 2008). Bar graphs represent means  $\pm$  SEM of carbonyl contents of carbonylated protein spots (CPS). CPS numbers are indicated in representative carbonyl immunoblots and Coomassie Blue stained gels. \* denotes values significantly different from untreated control at  $P < 0.05$ . See the main text for identities of proteins that are carbonylated in response to IL-22 treatment.



**Carbonyl immunoblots**

**Coomassie blue stained gels**

