



**Supplemental Figure 1. Immunohistochemistry (IHC) staining of  $\gamma$ H2AX at experimental endpoint.**

At the experimental endpoint when animals were euthanized, the presence of DNA double-stranded breaks (DSBs) was assessed by immunohistochemistry staining of  $\gamma$ H2AX between treatment groups in all models. Scale bar represents 100  $\mu$ m.