

Endothelin-1, the Unfolded Protein Response, and Persistent Inflammation-Role of Pulmonary Artery Smooth Muscle Cells

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Supplemental Figure 1 (A-B) The response of PASMC from ETBR deficient rats to ET-1 mirrors BQ788 pharmacologic inhibition of ETB in wild type rat PASMC. (A) Densitometry of pERK-1/2 Immunoblot and (B) XBP-1 splicing in PASMC derived from ETB deficient rats show similar results compared to ETB inhibition in wild type PASMC as shown in Figure 1C and Figure 3, respectively. (C) ET-1 activation of the ATF6 and IRE-1 pathways of the UPR does not induce wild type PASMC apoptosis as measured by trypan blue exclusion (left) and immunoblot for activated caspase-3 (right).