ENHANCED TRANSLATION OF HEME OXYGENASE-2 PRESERVES HUMAN ENDOTHELIAL CELL VIABILITY DURING HYPOXIA

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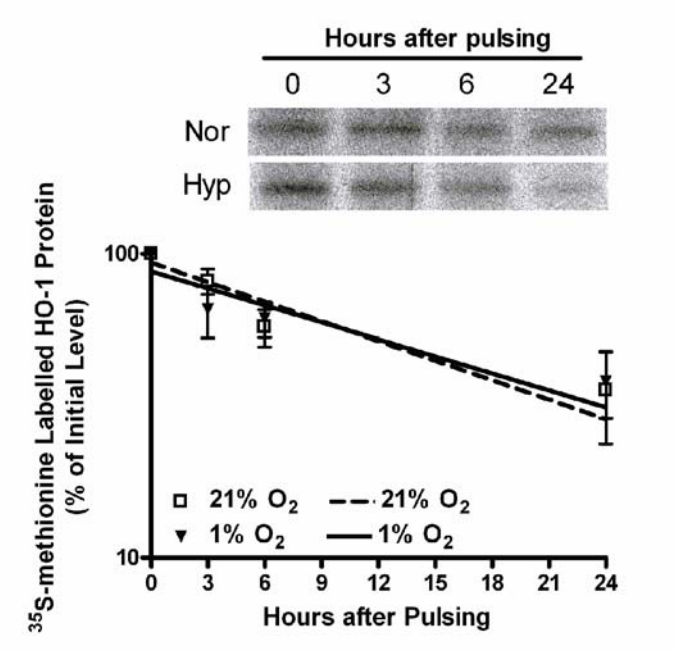
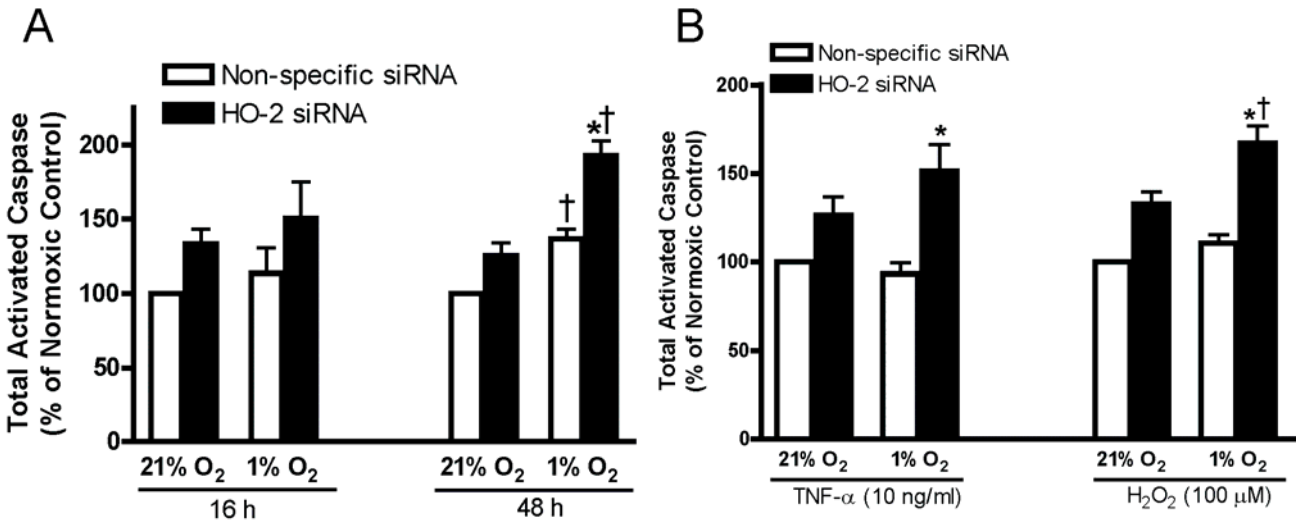
Supplemental Figure S1



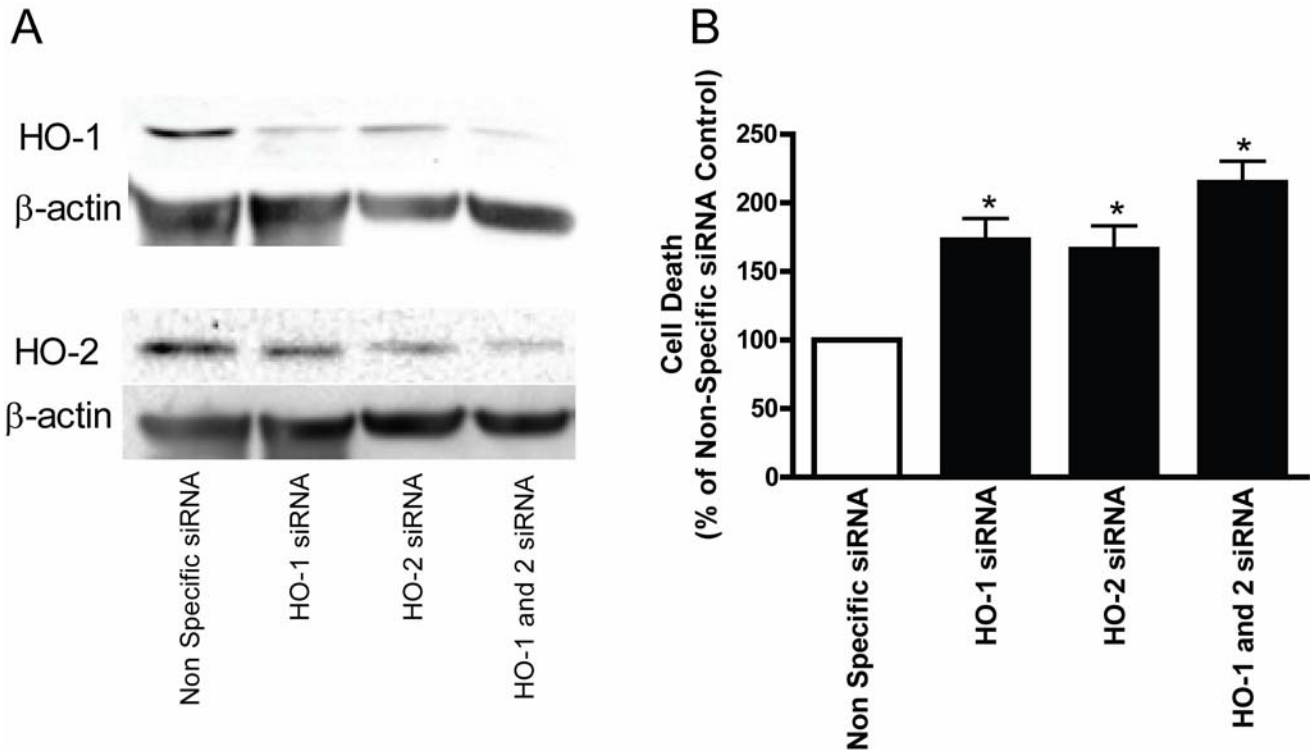
Supplemental Fig. S1. Level of radio-labelled HO-1 protein after immunoprecipitation with anti-HO-1 antibodies in HUVEC pulsed with ^{35}S-methionine for 3 h and chased in EGM-2 media under 21% or 1% oxygen for the times indicated. The result represents the average of 4 independent experiments. The protein level at 0 h was defined as 100%.

Supplemental Figure S2



Supplemental Fig. S2. Total activated caspase level in human umbilical vein endothelial cells (HUVEC) transfected with non-specific or HO-2 siRNA exposed to 21% or 1% oxygen for 16 or 48 h (A) or exposed to 21% or 1% oxygen for 16 h and treated with TNF-α or H_2O_2 (B). Bars represent means ± S.E.M. n = 5 independent experiments, **P*<0.05 for differences from non-specific siRNA controls. †P<0.05 for differences from corresponding normoxic control values.

Supplemental Figure S3



Supplemental Fig. S3. *A:* Representative blots of HO-1 and -2 protein in human umbilical vein endothelial cells (HUVEC) transfected with non-specific, HO-1, HO-2 or HO-1 and HO-2 siRNA. B: Cell death (% cells staining positive for Annexin V and/or propidium iodide) in HUVEC transfected with non-specific, HO-1, HO-2 or HO-1 and -2 siRNA exposed to 1% oxygen for 16 h in the presence of H_2O_2. Bars represent means ± S.E.M. n = 5 independent experiments, **P*<0.05 for differences from non-specific siRNA controls.