Oxidant sensor in the cGMP-binding pocket of PKGIα regulates nitroxyl-mediated kinase activity

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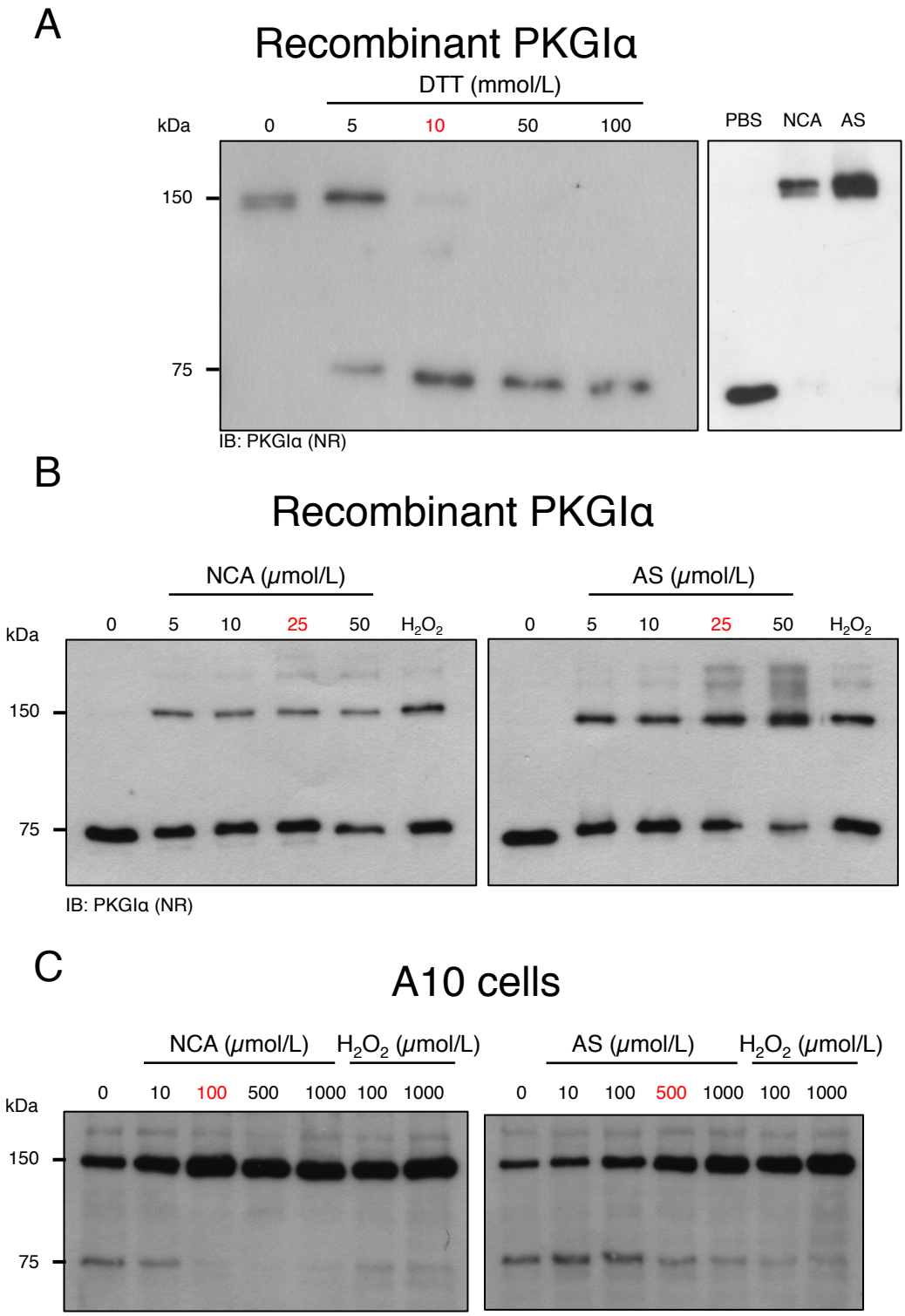
Supplementary Figure 1:



Suppl. Fig. 1. (**A**) Recombinant PKGIα was exposed to increasing concentrations of DTT (0-100 mmol/L) for 10 min (left panel), buffer exchange performed and subsequently exposed to vehicle (PBS), NCA (25 µmol/L) or AS (25 µmol/L) for 15 min and western immunoblot analysis performed under non-reducing conditions. (**B**) Recombinant PKGIα was pretreated with 10 mmol/L DTT for 10 min and subsequently exposed to increasing concentrations of NCA (0-50 µmol/L), AS (0-50 µmol/L) or H_2O_2 (100 µmol/L) for 15 min. (**C**) Rat vascular smooth muscle cells (A10) were exposed to increasing concentrations of NCA (0-1000 µmol/L; 30 min), AS (0-1000 µmol/L; 15 min) or 100-1000 µmol/L H_2O_2 for 10 min, cells harvested and western immunoblot analysis performed under non-reducing gel conditions for PKGIα.

Supplementary information: full blots for Figure 2