Anna E. Maciag, Harinath Chakrapani, Joseph E. Saavedra, Nicole L. Morris, Ryan J. Holland, Ken M. Kosak, Paul J. Shami, Lucy M. Anderson, and Larry K. Keefer

The Nitric Oxide Prodrug JS-K is Effective Against Non-small Cell Lung Cancer Cells *in vitro* and *in vivo*: Involvement of Reactive Oxygen Species

Supplemental data

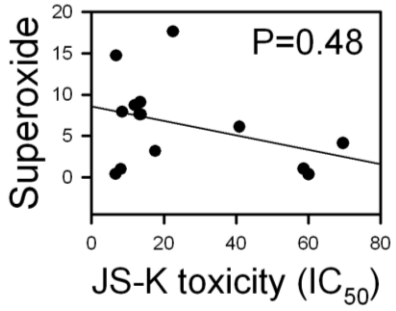

Fig. S1 JS-K toxicity measured as IC_{50} values did not correlate with levels of superoxide measured as nitroblue tetrazolium reduction[1] in NSCLC cells.

[1] Romanowska M, Maciag A, Smith AL, Fields JR, Fornwald LW, Kikawa KD, Kasprzak KS, Anderson LM. (2007) DNA damage, superoxide, and mutant K-ras in human lung adenocarcinoma cells. *Free Radic Biol Med* 43:1145-1155.

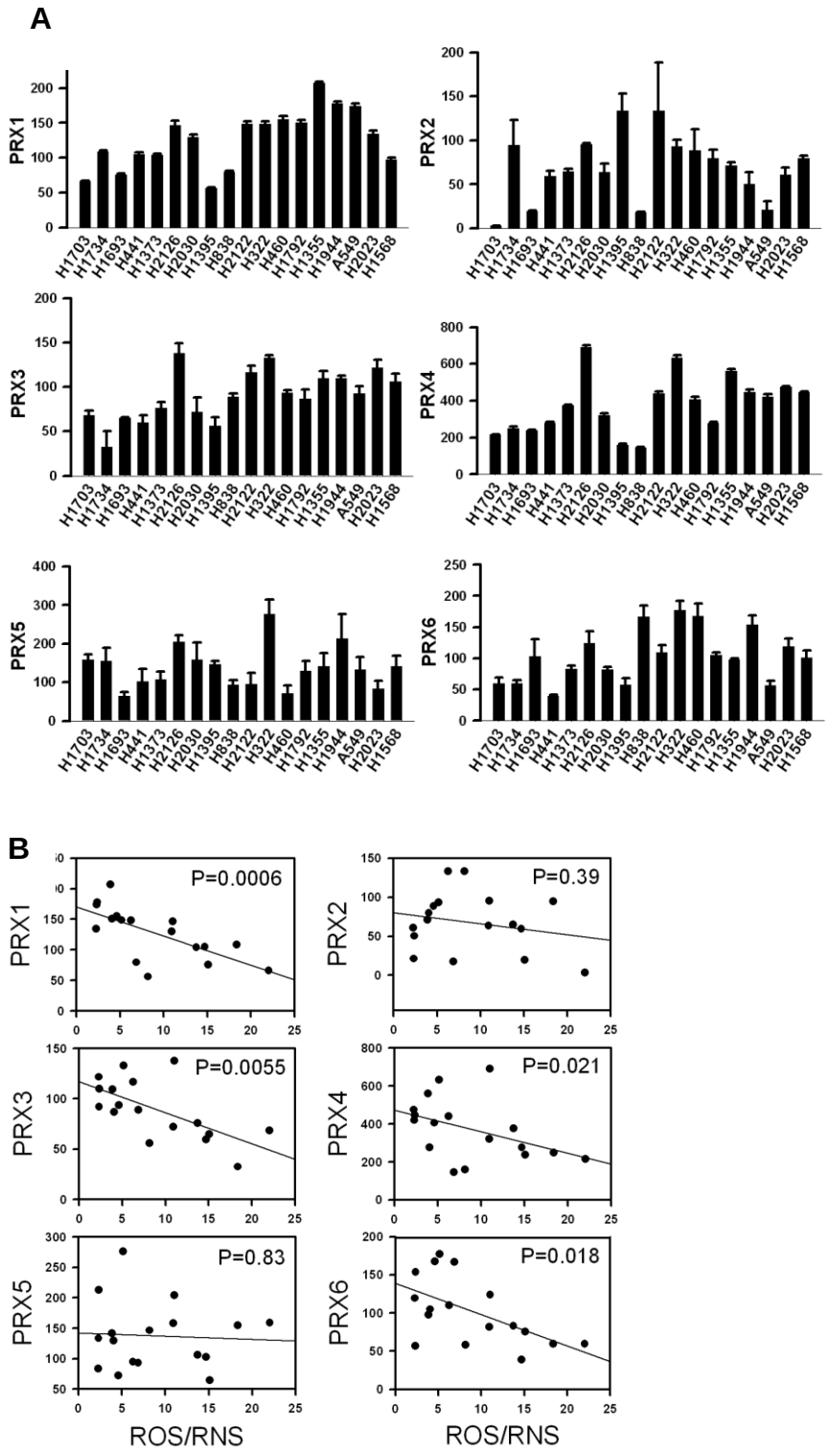

Fig. S2 A) Peroxiredoxins (PRX) 1-6 protein levels in NSCLC cells, as analyzed by Western blot (expressed relative to HPL1D cell line used as an internal control). B) PRX1, 3, 4 and 6 expression levels correlated significantly (negatively) with endogenous levels of ROS/RNS measured as DCF fluorescence.

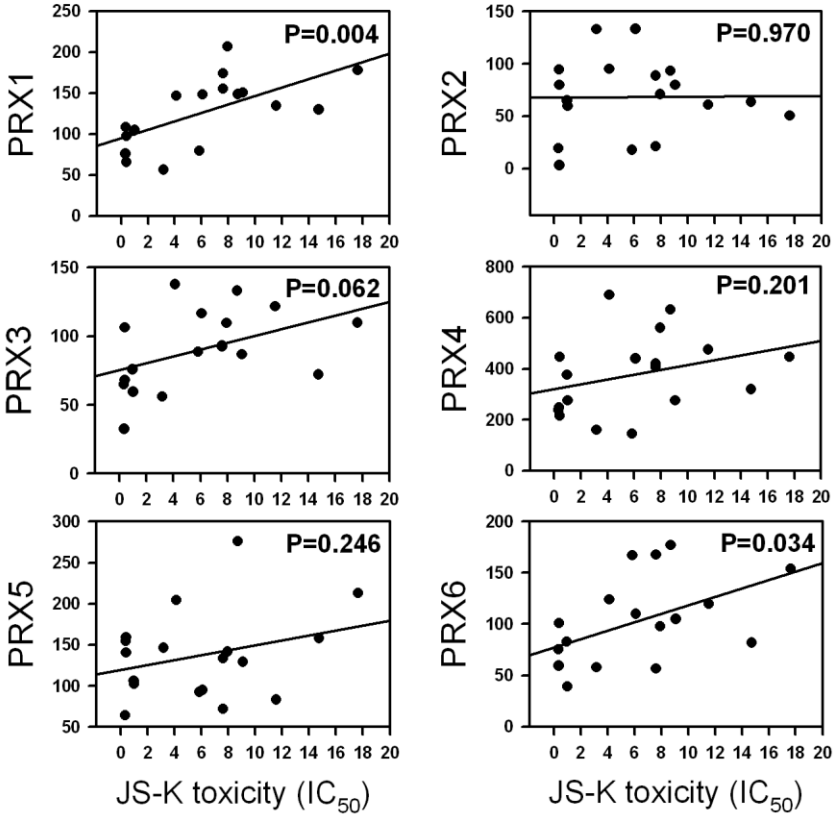

Fig. S3 PRX1 and 6 levels correlated significantly with JS-K toxicity, expressed as IC_{50} values. Other peroxiredoxins did not correlate.