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**Product Name: Peroxiredoxin 2 Rabbit Monoclonal Antibody****Catalog #: AMRe87620**

For research use only.

**Summary**

<b>Description</b>	Recombinant rabbit monoclonal antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,ICC/IF,FC
<b>Reactivity</b>	Human,Mouse,Rat
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% protective protein. Stable for 12 months from date of receipt.
<b>Purification</b>	Affinity Purification

**Application**

<b>Dilution Ratio</b>	WB 1:5000-1:50000,ICC/IF 1:100-1:200,FC 1:100-1:1000
<b>Molecular Weight</b>	Calculated MW:22 kDa; Observed MW:22 kDa

**Antigen Information**

<b>Gene Name</b>	Peroxiredoxin 2
<b>Alternative Names</b>	PRP; TSA; PRX2; PTX1; TPX1; NKEFB; PRXII; TDPX1; NKEF-B; HEL-S-2a
<b>Gene ID</b>	7001
<b>SwissProt ID</b>	P32119
<b>Immunogen</b>	A synthetic peptide of human Peroxiredoxin 2/PRP

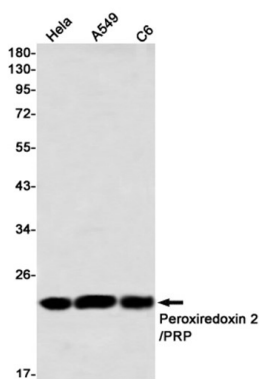
**Background**

This gene encodes a member of the peroxiredoxin family of antioxidant enzymes, which reduce hydrogen peroxide and alkyl hydroperoxides. The encoded protein plays an antioxidant protective role in cells, and it may contribute to the antiviral activity

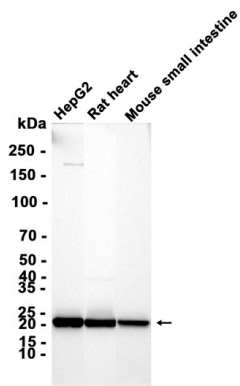
of CD8(+) T-cells. The crystal structure of this protein has been resolved to 2.7 angstroms. This protein prevents hemolytic anemia from oxidative stress by stabilizing hemoglobin, thus making this gene a therapeutic target for patients with hemolytic anemia. This protein may have a proliferative effect and play a role in cancer development or progression. Related pseudogenes have been identified on chromosomes 5, 6, 10 and 13. [provided by RefSeq, Mar 2013]

## Research Area

## Image Data



Western blot detection of Peroxiredoxin 2/PRP in HeLa,A549,C6 using Peroxiredoxin 2/PRP antibody(1:1000 diluted)



Western blot analysis of extracts from HepG2 cells and Rat heart , Mouse small intestine tissue using AMRe87620 at 1:5000.