



PRX I rabbit pAb

Cat No.:ES4185

For research use only

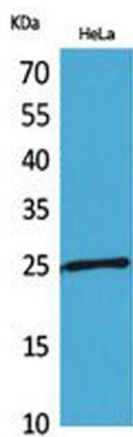
Overview

Product Name	PRX I rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Western Blot: 1/500 - 1/2000. IHC-p: 1/100-1/300. ELISA: 1/20000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from the Internal region of human PRDX1. AA range:31-80
Specificity	PRX I Polyclonal Antibody detects endogenous levels of PRX I protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Peroxiredoxin-1
Gene Name	PRDX1
Cellular localization	Cytoplasm . Melanosome . Identified by mass spectrometry in melanosome fractions from stage I to stage IV.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	21kD
Human Gene ID	5052
Human Swiss-Prot Number	Q06830
Alternative Names	PRDX1; PAGA; PAGB; TDPX2; Peroxiredoxin-1; Natural killer cell-enhancing factor A; NKEF-A; Proliferation-associated gene protein; PAG; Thioredoxin peroxidase 2; Thioredoxin-dependent peroxide reductase 2
Background	This gene encodes a member of the peroxiredoxin

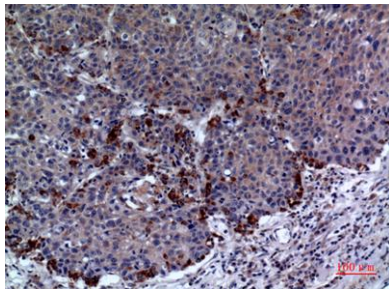




family of antioxidant enzymes, which reduce hydrogen peroxide and alkyl hydroperoxides. The encoded protein may play an antioxidant protective role in cells, and may contribute to the antiviral activity of CD8(+) T-cells. This protein may have a proliferative effect and play a role in cancer development or progression. Four transcript variants encoding the same protein have been identified for this gene. [provided by RefSeq, Jan 2011],



Western Blot analysis of HeLa cells using PRX I Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000

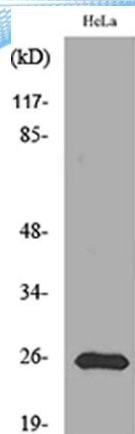


Immunohistochemical analysis of paraffin-embedded human-lung, antibody was diluted at 1:100





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Western blot analysis of lysate from HeLa cells, using PRDX1 Antibody.



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