

PRDX1 Antibody

Rabbit mAb Catalog # AP91034

Specification

PRDX1 Antibody - Product Information

WB, IHC, FC, ICC Application **Primary Accession** 006830 Clonality **Monoclonal Other Names** PAG; PAGA; PAGB; PRX1; PRXI; MSP23; NKEFA; TDPX2; NKEF-A; Peroxiredoxin1; PRDX1;

Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	22110 Da

PRDX1 Antibody - Additional Information

Purification Immunogen

Description

Storage Condition and Buffer

signaling cascades of growth factors and tumor necrosis factor-alpha by regulating the intracellular concentrations of H2O2. Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short

freeze / thaw cycle.

PRDX1

Affinity-chromatography

A synthesized peptide derived from human

glutaredoxin. May play an important role in eliminating peroxides generated during metabolism. Might participate in the

Involved in redox regulation of the cell.

term. Store at -20°C long term. Avoid

Reduces peroxides with reducing equivalents provided through the thioredoxin system but not from

PRDX1 Antibody - Protein Information

Name PRDX1

Synonyms PAGA, PAGB, TDPX2

Function

Thiol-specific peroxidase that catalyzes the reduction of hydrogen peroxide and organic hydroperoxides to water and alcohols, respectively. Plays a role in cell protection against oxidative stress by detoxifying peroxides and as sensor of hydrogen peroxide-mediated signaling events. Might participate in the signaling cascades of growth factors and tumor necrosis factor-alpha by regulating the intracellular concentrations of H(2)O(2) (PubMed:<a



href="http://www.uniprot.org/citations/9497357" target="_blank">9497357). Reduces an intramolecular disulfide bond in GDPD5 that gates the ability to GDPD5 to drive postmitotic motor neuron differentiation (By similarity).

Cellular Location

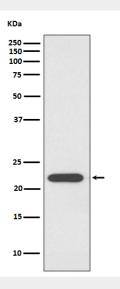
Cytoplasm. Melanosome Note=Identified by mass spectrometry in melanosome fractions from stage I to stage IV

PRDX1 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

PRDX1 Antibody - Images



Western blot analysis of PRDX1 expression in K562 cell lysates.