

Rabbit PRDX2 Polyclonal Antibody | anti-PRDX2 antibody

PRDX2 Antibody (Center)

CATALOG # AAA286322	HOST Rabbit	REACTIVITY Human (Predicted Reactivity: Monkey)	APPLICATIONS Western Blot, Immunohistochemistry, ELISA
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PRODUCT SYNONYMS

PRDX2; Polyclonal Antibody; PRDX2 Antibody (Center); Peroxiredoxin-2; Natural killer cell-enhancing factor B; NKEF-B; PRP; Thiol-specific antioxidant protein; TSA; Thioredoxin peroxidase 1; Thioredoxin-dependent peroxide reductase 1; NKEFB; TDPX1; anti-PRDX2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Monkey)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This PRDX2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 98-127 amino acids from the Central region of human PRDX2.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	98-127
Sequence Length	127
Applicable Applications for anti-PRDX2 antibody	WB (Western Blot), IHC (Immunohistochemistry), ELISA
Antigen Type	Synthetic Peptide
Crown Antibody	Yes
Primary Accession	P32119
Other Accession	Q2PFZ3
Precautions	PRDX2 Antibody (Center) is for research use only
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohiostchemistry)
Formalin-fixed and paraffin-embedded human brain tissue reacted with PRDX2 Antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
PRDX2 Antibody (Center) western blot analysis in Hela cell line lysates (35ug/lane). This demonstrates the PRDX2 antibody detected the PRDX2 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-PRDX2 antibody	PRDX2 is a member of the peroxiredoxin family of antioxidant enzymes, which reduce hydrogen peroxide and alkyl hydroperoxides. This 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. The crystal structure of this protein has been resolved to 2.7 angstroms. Function: Involved in redox regulation of the cell. Reduces peroxides with reducing equivalents provided through the thioredoxin system. It is not able to receive electrons from glutaredoxin. May play an important role in eliminating peroxides generated during metabolism. Might participate in the signaling cascades of growth factors and tumor necrosis factor-alpha by regulating the intracellular concentrations of H(2)O(2).
Product Categories/Family for anti-PRDX2 antibody	Crown Antibodies; Cancer; Cell Biology; Metabolism; Neuroscience; Signal Transduction
References	Engstrom,K.S., et.al., Mutat. Res. (2009)

NCBI AND UNIPROT INFORMATION

NCBI GI #	32189392
NCBI GeneID	7001
NCBI Accession #	NP_005800.3
NCBI GenBank Nucleotide #	NM_005809.5
UniProt Accession #	P32119; P31945; P32118; P35701; Q6FHG4; Q92763; Q9UC23; A8K0C0
Molecular Weight	21892
NCBI Official Full Name	peroxiredoxin-2
NCBI Official Synonym Full Names	peroxiredoxin 2
NCBI Official Symbol	PRDX2
NCBI Official Synonym Symbols	PRP; TSA; PRX2; PTX1; TPX1; NKEFB; PRXII; TDPX1; NKEF-B; HEL-S-2a
NCBI Protein Information	peroxiredoxin-2
UniProt Protein Name	Peroxiredoxin-2
UniProt Gene Name	PRDX2
UniProt Synonym Gene Names	NKEFB; TDPX1; NKEF-B; TSA
UniProt Entry Name	PRDX2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

