

Rabbit PRDX1 Polyclonal Antibody | anti-PRDX1 antibody

PRDX1 antibody - N-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA199920	Rabbit	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Zebrafish	Western Blot, Immunohistochemistry

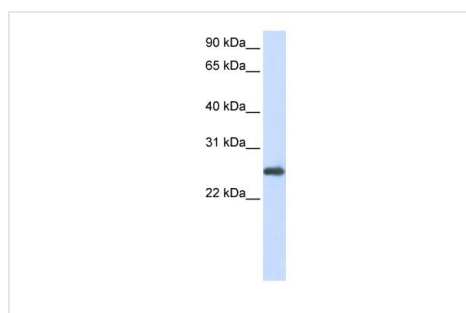
PRODUCT SYNONYMS

PRDX1; Polyclonal Antibody; PRDX1 antibody - N-terminal region; anti-PRDX1 antibody

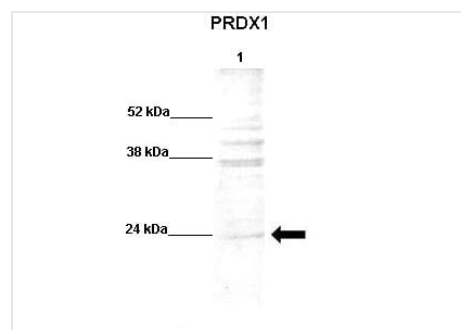
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Zebrafish
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: SS GNAKIGH PAP NFKATAVMPD GQFKDISLSD YKGKYVVFVF YPLDFTFV
Sequence Length	199
Applicable Applications for anti-PRDX1 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Homology	Cow: 93%; Dog: 93%; Guinea Pig: 100%; Horse: 93%; Human: 100%; Mouse: 93%; Rabbit: 100%; Rat: 100%; Zebrafish: 92%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human PRDX1
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES

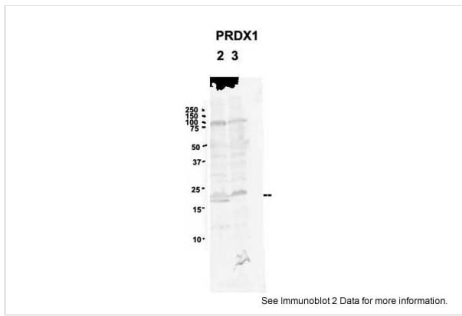


WB (Western Blot)

WB Suggested Anti-PRDX1 Antibody Titration: 0.2-1 ug/mL
ELISA Titer: 1:62500
Positive Control: 293T cell lysate


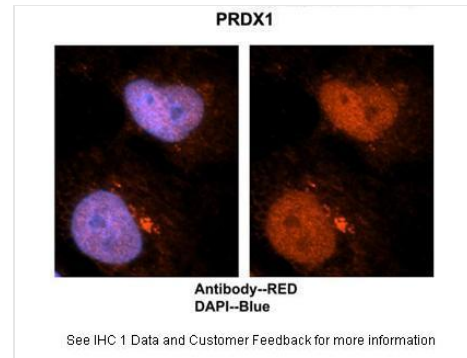
WB (Western Blot)

WB Suggested Anti-PRDX1 Antibody
Positive Control: Lane 1: 20ug human dental pulp stem cell lysate
Primary Antibody Dilution : 1:500
Secondary Antibody : Anti-rabbit-AP
Secondary Antibody Dilution : 1:500
Submitted by: Luis Eduardo Soares Netto



WB (Western Blot)

PRDX1 antibody - N-terminal region validated by WB using 2. mouse brain extracts (80ug)3. rat brain extract (80ug) at 2ug/ml.



IHC (Immunohistochemistry)

Researcher: Dr. Yuzhi Chen, University of Arkansas for Medical Science
Application: IHC
Species+tissue/cell type: Human brain stem cells
Primary antibody dilution: 1:500
Secondary antibody: Goat anti-rabbit Alexa-Fluor 594
Secondary antibody dilution: 1:1000

ADDITIONAL INFORMATION

Related Product Information for anti-PRDX1 antibody

This is a rabbit polyclonal antibody against PRDX1. It was validated on Western Blot using a cell lysate as a positive control.

Target Description: PRDX1 is a member of the peroxiredoxin family of antioxidant enzymes, which reduce hydrogen peroxide and alkyl hydroperoxides. It 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. 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. Three transcript variants encoding the same protein have been identified for this gene.

Product Categories/Family for anti-PRDX1 antibody

[Polyclonal](#); [Developmental Biology](#); [Immunohistochemistry](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505591
NCBI GeneID	5052
NCBI Accession #	NP_002565
NCBI GenBank Nucleotide #	NM_002574
UniProt Accession #	Q06830
Molecular Weight	22kDa
NCBI Official Full Name	peroxiredoxin-1
NCBI Official Synonym Full Names	peroxiredoxin 1
NCBI Official Symbol	PRDX1
NCBI Official Synonym Symbols	PAG; PAGA; PAGB; PRX1; PRXI; MSP23; NKEFA; TDPX2; NKEF-A
NCBI Protein Information	peroxiredoxin-1
UniProt Protein Name	Peroxioredoxin-1
UniProt Gene Name	PRDX1
UniProt Synonym Gene Names	PAGA; PAGB; TDPX2; NKEF-A; PAG
UniProt Entry Name	PRDX1_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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/prdx1-antibody-western-blot-immunohistochemistry-elisa/199920>