

Goat PRDX1 / Peroxiredoxin 1 Polyclonal Antibody | anti-PRDX1 antibody

Goat Polyclonal to Human PRDX1 / Peroxiredoxin 1

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA51453	Goat	Bat, Bovine, Dog, Hamster, Horse, Human, Monkey, Mouse, Pig, Rabbit, Rat	ELISA, Western Blot, Immunohistochemistry

PRODUCT SYNONYMS

PRDX1 / Peroxiredoxin 1; Polyclonal Antibody; Goat Polyclonal to Human PRDX1 / Peroxiredoxin 1; Anti-PRDX1 / Peroxiredoxin 1 Antibody (Internal) IHC-plus; PRDX1; MSP23; PAGB; Peroxiredoxin-1; PRX1; NKEFA; Peroxiredoxin 1; Thioredoxin peroxidase 2; NKEF-A; PAG; PRXI; TDPX2; Human PRDX1; anti-PRDX1 antibody

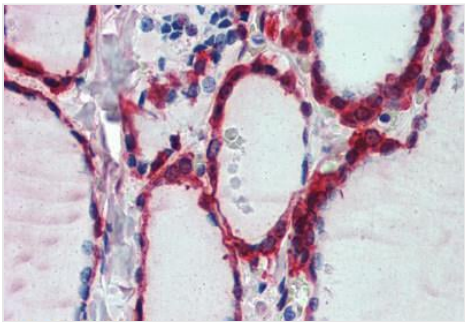
PRODUCT SPECIFICATIONS

Host	Goat
Reactivity	Bat, Bovine, Dog, Hamster, Horse, Human, Monkey, Mouse, Pig, Rabbit, Rat
Clonality	Polyclonal
Specificity	Human PRDX1 / Peroxiredoxin 1. Reported variants represent identical protein (NP_002565.1, NP_859047.1, NP_859048.1).
Purity/Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Form/Format	TBS, pH 7.3, 0.02% sodium azide, 0.5% BSA,
Concentration	0.5 mg/ml (varies by lot)
Sequence Positions	106-117
Sequence Length	117
Applicable Applications for anti-PRDX1 antibody	ELISA, WB (Western Blot), IHC (Immunohistochemistry)
Target	PRDX1 / Peroxiredoxin 1
Epitope	aa106-117
Immunogen	PRDX1 / Peroxiredoxin 1 antibody was raised against synthetic peptide C-SDPKRTIAQDYG from an internal region of human PRDX1 / Peroxiredoxin 1 (NP_859048.1).

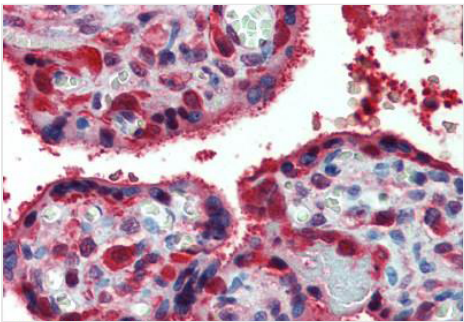
Recommended Immunohistochemistry Protocol	The following protocol is a recommendation only, and AAA Biotech makes no guarantee of the results: Tissue Preparation: Formalin fixation and embedding in paraffin wax. Tissue Sectioning: Make 4-um sections and place on pre-cleaned and charged microscope slides. Heat in a tissue-dryingoven for 45 minutes at 60°C. Deparaffinization: Wash dry slides in 3 changes of xylene - 5 minutes each @ RT Rehydration: Wash slides in 3 changes of 100% alcohol - 3 minutes each @ RT Wash slides in 2 changes of 95% alcohol - 3 minutes each @ RT Wash slides in 1 change of 80% alcohol - 3 minutes @ RT Rinse slides in gentle running distilled water - 5 minutes @ RT Antigen retrieval: Steam slides in 0.01 M sodium citrate buffer, pH 6.0 at 99-100°C - 20 minutes Remove from heat and let stand at room temperature in buffer - 20 minutes Rinse in 1X TBS with Tween (TBST) -1 minute @ RT Immunostaining: (Do not allow tissues to dry at any time during the staining procedure) Apply a universal protein block - 20 minutes @ RT Drain protein block from slides, apply diluted primary antibody - 45 minutes @ RT Rinse slides in 1 X TBST - 1 minute @ RT Apply a biotinylated secondary antibody appropriate for the primary antibody - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase streptavidin - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase chromogen substrate - 30 minutes @ RT Wash slides in distilled water - 1 minute @ RT Dehydrate: (This method should only be used if the chromogen substrate is alcohol insoluble (e.g. Vector Red, DAB) Wash slides in 2 changes of 80% alcohol - 1 minute each @ RT Wash slides in 2 changes of 95% alcohol - 1 minute each @ RT Wash slides in 3 changes of 100% alcohol - 1 minute each @ RT Wash slides in 3 changes of xylene - 1 minute each @ RT Apply coverslip
Preparation and Storage	Aliquot and store at -20°C . Avoid freeze-thaw cycles.



WB (Western Blot)
Antibody (0.01 ug/ml) staining of HepG2 lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



IHC (Immunohistochemistry)
Anti-PRDX1 / Peroxiredoxin 1 antibody IHC of human thyroid. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 2.5 ug/ml.



IHC (Immunohistochemistry)
Anti-PRDX1 / Peroxiredoxin 1 antibody IHC of human placenta. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 2.5 ug/ml.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505591
NCBI GeneID	5052
NCBI Accession #	NP_002565.1
NCBI GenBank Nucleotide #	NM_002574.3
UniProt Accession #	Q06830; P35703; Q2V576; Q5T154; Q5T155; B5BU26; D3DPZ8
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; thioredoxin peroxidase 2; proliferation-associated gene A; natural killer-enhancing factor A; proliferation-associated gene protein; natural killer cell-enhancing factor A; thioredoxin-dependent peroxide reductase 2
UniProt Protein Name	Peroxiredoxin-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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/prdx1-peroxiredoxin-1-antibody-western-blot-immunohistochemistry-elisa/51453>