

Mouse PRDX4 Monoclonal Antibody | anti-PRDX4 antibody

PRDX4 antibody

CATALOG # AAA107223	HOST Mouse	APPLICATIONS Western Blot, Immunohistochemistry, Immunofluorescence
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PRODUCT SYNONYMS

PRDX4; Monoclonal Antibody; PRDX4 antibody; Monoclonal PRDX4; Anti-PRDX4; Peroxiredoxin 4; AOE37-2; Antioxidant enzyme AOE372; Peroxiredoxin IV; Thioredoxin peroxidase A0372; Thioredoxin-dependent peroxide reductase A0372; PRDX 4; PRDX-4; anti-PRDX4 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	9A3
Purity/Purification	PRDX4 antibody was purified by affinity chromatography.
Form/Format	Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration	500 ug-1 mg/ml (varies by lot)
Sequence Length	271
Applicable Applications for anti-PRDX4 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence)
Biological Significance	The protein encoded by this gene is an antioxidant enzyme and belongs to the peroxiredoxin family. The protein is localized to the cytoplasm. Peroxidases of the peroxiredoxin family reduce hydrogen peroxide and alkyl hydroperoxides to water and alcohol with the use of reducing equivalents derived from thiol-containing donor molecules. This protein has been found to play a regulatory role in the activation of the transcription factor NF-kappaB.
Cross-Reactivity	Human
Immunogen	PRDX4 antibody was raised in mouse using a full length recombinant protein of human PRDX4 (NP_006397) produced in HEK293T cells, as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemical analysis of PRDX4 protein in paraffin embedded Human colon tissue using PRDX4 antibody



WB (Western Blot)

Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant PRDX4 protein (Right) or empty vector (Left) detected with PRDX4 antibody

ADDITIONAL INFORMATION

Related Product Information for anti-PRDX4 antibody	Mouse monoclonal PRDX4 antibody
Product Categories/Family for anti-PRDX4 antibody	Proteases ; Inhibitors ; & Enzymes

NCBI AND UNIPROT INFORMATION

NCBI GI #	5453549
NCBI GeneID	10549
NCBI Accession #	NP_006397
NCBI GenBank Nucleotide #	NM_006406.1
UniProt Accession #	Q13162 ; Q6FHT3
Molecular Weight	30,540 Da
NCBI Official Full Name	peroxiredoxin-4
NCBI Official Synonym Full Names	peroxiredoxin 4
NCBI Official Symbol	PRDX4
NCBI Official Synonym Symbols	PRX-4; AOE372; AOE37-2; HEL-S-97n
NCBI Protein Information	peroxiredoxin-4
UniProt Protein Name	Peroxiredoxin-4
UniProt Gene Name	PRDX4
UniProt Synonym Gene Names	AOE37-2; Prx-IV
UniProt Entry Name	PRDX4_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://stage.aaabiotech.com/monoclonal/prdx4-antibody-clone-9a3-western-blot-immunohistochemistry-immunofluorescence-elisa/107223>