

Rabbit PRDX4 Polyclonal Antibody | anti-PRDX4 antibody

PRDX4 Antibody (Center)

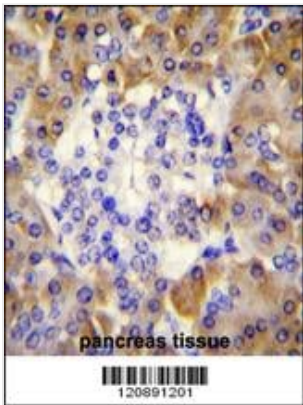
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285750	Rabbit	Human, mouse (Predicted Reactivity: Bovine, Rat)	Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

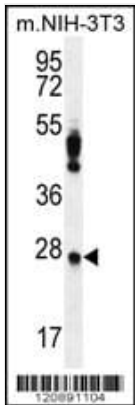
PRDX4; Polyclonal Antibody; PRDX4 Antibody (Center); Peroxiredoxin-4; Antioxidant enzyme AOE372; AOE37-2; Peroxiredoxin IV; Prx-IV; Thioredoxin peroxidase AO372; Thioredoxin-dependent peroxide reductase A0372; anti-PRDX4 antibody

PRODUCT SPECIFICATIONS

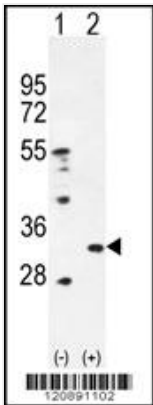
Host	Rabbit
Reactivity	Human, mouse (Predicted Reactivity: Bovine, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This PRDX4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 82-110 amino acids from the Central region of human PRDX4.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.25 (varies by lot)
Sequence Positions	82-110
Sequence Length	271
Applicable Applications for anti-PRDX4 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
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.



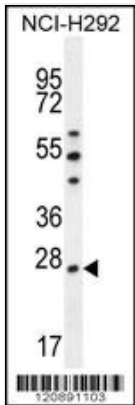
IHC (Immunohistochemistry)
PRDX4 Antibody (Center) immunohistochemistry analysis in formalin fixed and paraffin embedded human pancreas tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of PRDX4 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
PRDX4 Antibody (Center) western blot analysis in mouse NIH-3T3 cell line lysates (35ug/lane). This demonstrates the PRDX4 antibody detected the PRDX4 protein (arrow).



WB (Western Blot)
Western blot analysis of PRDX4 (arrow) using rabbit polyclonal PRDX4 Antibody (Center). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the PRDX4 gene.



WB (Western Blot)
PRDX4 Antibody (Center) western blot analysis in NCI-H292 cell line lysates (35ug/lane). This demonstrates the PRDX4 antibody detected the PRDX4 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-PRDX4 antibody	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.
Product Categories/Family for anti-PRDX4 antibody	Cancer; Cell Biology; Signal transduction
References	Jamaluddin, M., et al. J. Virol. 84(18):9533-9545(2010) Davila, S., et al. Genes Immun. 11(3):232-238(2010) Edvardsen, H., et al. Pharmacogenomics J. (2010) In press : Wang, H.Q., et al. FEBS Lett. 583(9):1511-1515(2009) Starr, J.M., et al. Mech. Ageing Dev. 129(12):745-751(2008)

NCBI AND UNIPROT INFORMATION

NCBI GI #	5453549
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NCBI GeneID	10549
NCBI Accession #	NP_006397.1
NCBI GenBank Nucleotide #	NM_006406.1
UniProt Accession #	Q13162 ; Q6FHT3
Molecular Weight	30540
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://www.aaabiotech.com/polyclonal/prdx4-antibody-immunohistochemistry-western-blot-elisa/285750>