

Rabbit Peroxiredoxin 4 (PRDX4) Polyclonal Antibody | anti-PRDX4 antibody

Peroxiredoxin 4 (PRDX4) Rabbit pAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA281933	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot

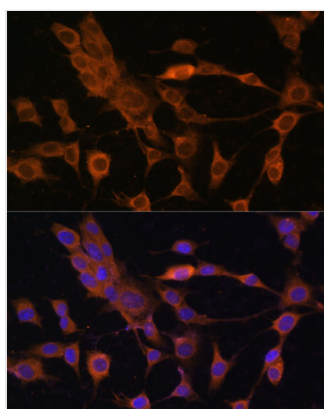
PRODUCT SYNONYMS

Peroxiredoxin 4 (PRDX4); Polyclonal Antibody; Peroxiredoxin 4 (PRDX4) Rabbit pAb; PRDX4; AOE37-2; AOE372; HEL-S-97n; PRX-4; anti-PRDX4 antibody

PRODUCT SPECIFICATIONS

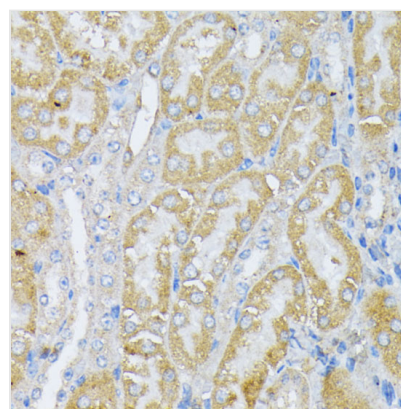
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Applicable Applications for anti-PRDX4 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant protein of human Peroxiredoxin 4 (Peroxiredoxin 4 (PRDX4)).
Cellular Location	Cytoplasm, Secreted
Positive Samples	HepG2, U-251MG, BxPC-3, Mouse brain, Rat brain, Rat liver
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



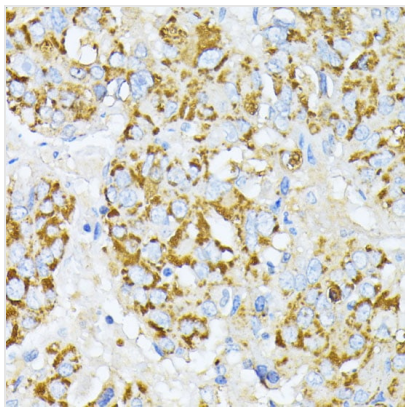
IF (Immunofluorescence)

Immunofluorescence analysis of NIH/3T3 cells using Peroxiredoxin 4 (Peroxiredoxin 4 (PRDX4)) antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



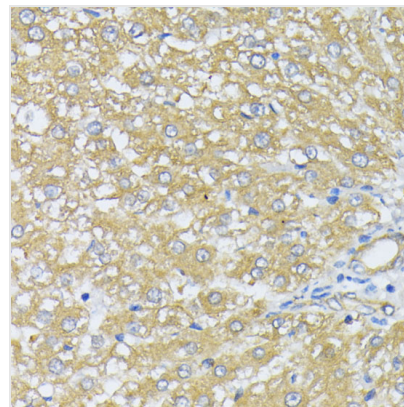
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded mouse kidney using Peroxiredoxin 4 (Peroxiredoxin 4 (PRDX4)) antibody at dilution of 1:100 (40x lens).



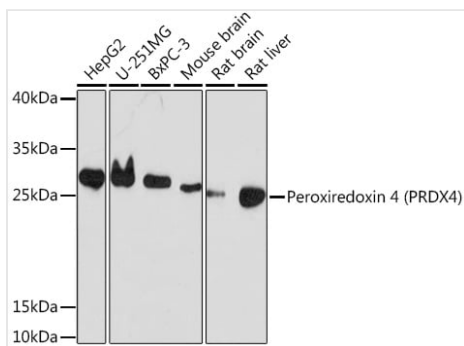
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human liver cancer using Peroxiredoxin 4 (Peroxiredoxin 4 (PRDX4)) antibody at dilution of 1:100 (40x lens).



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded rat liver using Peroxiredoxin 4 (Peroxiredoxin 4 (PRDX4)) antibody at dilution of 1:100 (40x lens).



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using Peroxiredoxin 4 (Peroxiredoxin 4 (PRDX4)) Rabbit pAb at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90s.

ADDITIONAL INFORMATION

Related Product Information for anti-PRDX4 antibody

Background: 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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	3024727
NCBI GeneID	10549
UniProt Accession #	Q13162; Q6FHT3
Molecular Weight	271
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; prx-IV; peroxiredoxin IV; antioxidant enzyme AOE372; thioredoxin peroxidase AO372; thioredoxin peroxidase (antioxidant enzyme); thioredoxin-dependent peroxide reductase A0372; epididymis secretory sperm binding protein Li 97n

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/polyclonal/peroxiredoxin-4-prdx4-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/281933>