

Rabbit Peroxiredoxin 2 Monoclonal Antibody | anti-PRDX2 antibody

Peroxiredoxin 2 Antibody

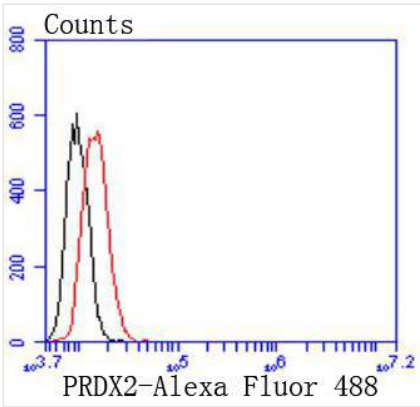
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA30240	Rabbit	Human, Mouse, Rat	Western Blot, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

Peroxiredoxin 2; Monoclonal Antibody; Peroxiredoxin 2 Antibody; Epididymis secretory sperm binding protein Li 2a antibody; HEL S 2a antibody; MGC4104 antibody; Natural killer cell enhancing factor B antibody; Natural killer cell-enhancing factor B antibody; Natural Killer Enhancing Factor B antibody; NKEF B antibody; NKEF-B antibody; NKEFB antibody; Peroxiredoxin-2 antibody; PRDX 2 antibody; PRDX2 antibody; PRDX2_HUMAN antibody; PrP antibody; PRX2 antibody; PRXII antibody; PTX1 antibody; TDPX1 antibody; Thiol Specific Antioxidant 1 antibody; Thiol specific antioxidant protein antibody; Thiol-specific antioxidant protein antibody; Thioredoxin Dependent Peroxide Reductase 1 antibody; Thioredoxin peroxidase 1 antibody; Thioredoxin-dependent peroxide reductase 1 antibody; Torin antibody; TPX1 antibody; TSA antibody; anti-PRDX2 antibody

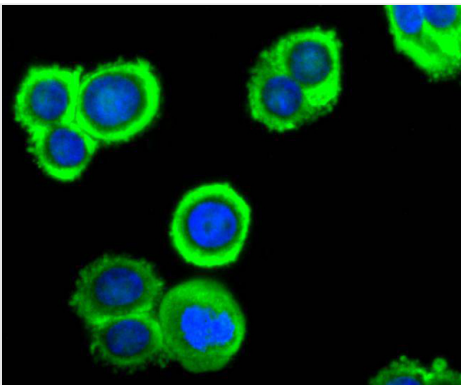
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Clone Number	JJ090-3
Purity/Purification	ProA affinity purified
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-PRDX2 antibody	WB (Western Blot), ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry)
Application Notes	WB: 1:1000-1:2000 IHC: 1:50-1:200 ICC: 1:100-1:500 FC/FACS: 1:10-1:50
Antibody Type	Recombinant Antibody
Immunogen	Recombinant protein
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.



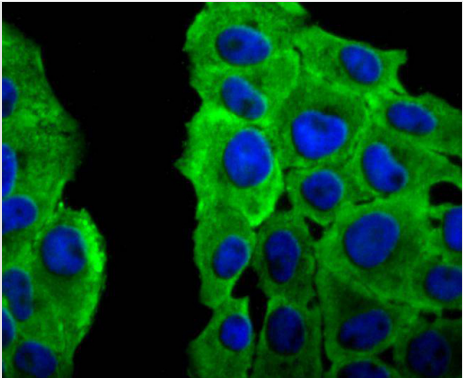
FCM (Flow Cytometry)

Flow cytometric analysis of Hela cells with Peroxiredoxin 2 antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.



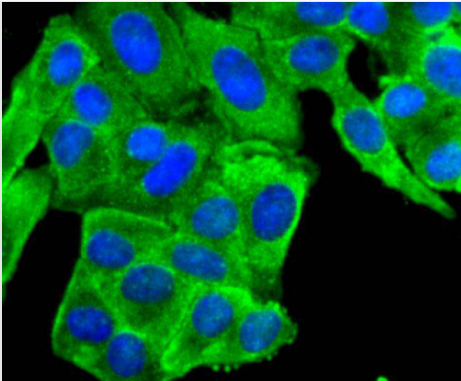
ICC (Immunocytochemistry)

ICC staining Peroxiredoxin 2 in SW480 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



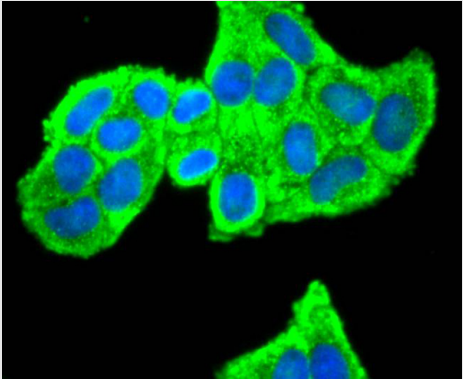
ICC (Immunocytochemistry)

ICC staining Peroxiredoxin 2 in RH-35 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



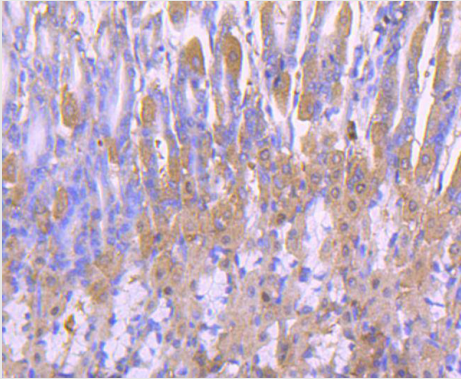
ICC (Immunocytochemistry)

ICC staining Peroxiredoxin 2 in HepG2 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC (Immunocytochemistry)

ICC staining Peroxiredoxin 2 in Hela cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded mouse stomach tissue using anti-Peroxiredoxin 2 antibody. Counter stained with hematoxylin.

ADDITIONAL INFORMATION

Related Product Information for anti-PRDX2 antibody	The peroxiredoxin (PRX) family comprises six antioxidant proteins, PRX I, II, III, IV, V and VI, which protect cells from reactive oxygen species (ROS) by preventing the metal-catalyzed oxidation of enzymes. The PRX proteins primarily utilize thioredoxin as the electron donor for antioxidantation, although they are fairly promiscuous with regard to the hydroperoxide substrate. In addition to protection from ROS, peroxiredoxins are also involved in cell proliferation, differentiation and gene expression. PRX I, II, IV and VI show diffuse cytoplasmic localization, while PRX III and V exhibit distinct mitochondrial localization. PRX II is expressed in testis, while PRX III shows expression in lung. PRX I, II and III are overexpressed in breast cancer and may be involved in its development or progression. Upregulated protein levels of PRX I and II in Alzheimer's disease (AD) and Down syndrome (DS) indicate the involvement of PRX I and II in their pathogenesis.
Product Categories/Family for anti-PRDX2 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	49456535
NCBI GeneID	7001
UniProt Accession #	P32119; P31945; P32118; P35701; Q6FHG4; Q92763; Q9UC23; A8K0C0
Molecular Weight	21,892 Da
NCBI Official Full Name	PRDX2
NCBI Official Synonym Full Names	peroxiredoxin 2
NCBI Official Symbol	PRDX2
NCBI Official Synonym Symbols	PRP; TSA; PRX2; PTX1; TPX1; NKEFB; PRXII; TDPX1; NKEF-B
NCBI Protein Information	peroxiredoxin-2; torin; thioredoxin peroxidase 1; thiol-specific antioxidant 1; natural killer cell-enhancing factor B; thioredoxin-dependent peroxide reductase 1
UniProt Protein Name	Peroxiredoxin-2
UniProt Gene Name	PRDX2
UniProt Synonym Gene Names	NKEFB; TDPX1; NKEF-B; TSA
UniProt Entry Name	PRDX2_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/peroxiredoxin-2-antibody-clone-ji090-3-western-blot-immunocytochemistry-immunofluorescence-immunohistochemistry-flow-cytometry-elisa/30240>