

Mouse anti-Human Peroxiredoxin 5 Monoclonal Antibody | anti-PRDX5 antibody

Peroxiredoxin 5 antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48172	Mouse	Human	Immunofluorescence, Immunocytochemistry, Flow Cytometry, Functional Assay, Western Blot, ELISA

PRODUCT SYNONYMS

Peroxiredoxin 5; Monoclonal Antibody; Peroxiredoxin 5 antibody; ACR1; AOEB116; B116; PLP; PMP20; PRDX5; PRXV; SBBI10; AOEB166; PRDX 5; Thioredoxin reductase.; anti-PRDX5 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1, k
Clone Number	AT6A10
Purity/Purification	By protein-A affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1 mg/ml (varies by lot)
Sequence Length	214
Applicable Applications for anti-PRDX5 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human Peroxiredoxin 5 (53-214aa) purified from E. coli
Clone Note	Anti-human Peroxiredoxin 5 mAb, clone AT6A10, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human PRDX5 protein.
Preparation and Storage	Can be stored at 4 degree C. For long term storage, aliquot and store at -20 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



IF (Immunofluorescence)

ICC/IF analysis of PRDX5 in Hep3B cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human PRDX5 antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).



WB (Western Blot)

The Recombinant Human PRDX5 (50ng) and Cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human Peroxiredoxin 5 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1. : Recombinant PRDX5 protein Lane 2. : MCF-7 cell lysate Lane 3. : A549 cell lysate Lane 4. : HeLa cell lysate Lane 5. : 293T cell lysate Lane 6. : Jurkat cell lysate

ADDITIONAL INFORMATION

Related Product Information for anti-PRDX5 antibody	Peroxiredoxin 5, also known as PRDX5, is a member of the peroxiredoxin family of antioxidant enzymes, which reduces hydrogen peroxide and alkyl hydroperoxides with reducing equivalents provided through the thioredoxin system. This protein may play an antioxidant protective role in different tissues under normal conditions and during inflammatory processes. It has been reported that peroxiredoxin 5 is involved in intracellular redox signaling.
Product Categories/Family for anti-PRDX5 antibody	Redox Proteins
References	Yamashita H., et al. (1999) J Biol Chem. 274 (42): 29897-29904. ; Declercg JP., et al. (2001) J Mol Biol. 311 (4): 751-759.

NCBI AND UNIPROT INFORMATION

NCBI GI #	6912238
NCBI GeneID	25824
NCBI Accession #	NP_036226
NCBI GenBank Nucleotide #	NM_012094.4
UniProt Accession #	P30044; Q14CK0; Q6IAF2; Q9UBU5; Q9UJU4; Q9UKX4; A6NC19; A6NG06; B7ZLJ4; B7ZVW3
Molecular Weight	12,897 Da
NCBI Official Full Name	peroxiredoxin-5, mitochondrial isoform L
NCBI Official Synonym Full Names	peroxiredoxin 5
NCBI Official Symbol	PRDX5
NCBI Official Synonym Symbols	PLP; ACR1; B166; PRXV; PMP20; PRDX6; prx-V; SBBI10; AOEB166; HEL-S-55
NCBI Protein Information	peroxiredoxin-5, mitochondrial
UniProt Protein Name	Peroxiredoxin-5, mitochondrial
UniProt Gene Name	PRDX5
UniProt Synonym Gene Names	ACR1; AOEB166; Prx-V

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-5-antibody-clone-at6a10-immunofluorescence-immunocytochemistry-flow-cytometry-western-blot-elisa/48172>