

Mouse anti-Human Peroxiredoxin 6 Monoclonal Antibody | anti-PRDX6 antibody

Peroxiredoxin 6 antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48183	Mouse	Human	Flow Cytometry, Functional Assay, Immunofluorescence, Immunocytochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

Peroxiredoxin 6; Monoclonal Antibody; Peroxiredoxin 6 antibody; 1-Cys; aiPLA2; AOP2; NSGPx; p29; PRX; Peroxiredoxin6; PRDX6; PRDX 6; PRDX-6; AA690119; Prdx6 rs3; 1 Cys; 1 Cys peroxiredoxin; 1 Cys PRX; 1 cysPrx; 24 kDa protein; 9430088D19Rik; Acidic calcium independent phospholipase A2; Antioxidant protein 2; Aop2 rs3; Brp 12; mKIAA0106; Ciliary body glutathione peroxidase; CP 3; EC 1.11.1.15; EC 1.11.1.7; EC 3.1.1.1; GPx; KIAA0106; Liver 2D page spot 40; Ltw4; Lvtw 4; MGC46173; Non selenium glutathione peroxidase; ORF06; OTTHuMP00000032693; PHGPx; Phospholipase A2 lysosomal; PLA2; Prdx5; Red blood cells page spot 12; Thiol specific antioxidant protein; ; anti-PRDX6 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2a, k
Clone Number	AT22E7
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	224
Applicable Applications for anti-PRDX6 antibody	FCM/FACS (Flow Cytometry), IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human PRDX6 (1-224aa) purified from E. coli
Clone Note	Anti-human Peroxiredoxin 6 mAb, clone AT22E7, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human PRDX6 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 PRDX6 in HeLa cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human PRDX6 antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).



WB (Western Blot)

The recombinant human PRDX6 protein (50ng), Cell and Mouse tissue lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human Peroxiredoxin 6 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1.: Recombinant PRDX6 protein Lane 2.: HeLa cell lysate Lane 3.: 293T cell lysate Lane 4.: HepG2 cell lysate Lane 5.: U87MG cell lysate Lane 6.: Ramos cell lysate Lane 7.: Mouse brain lysate

ADDITIONAL INFORMATION

Related Product Information for anti-PRDX6 antibody	Peroxiredoxin 6 is a member of the thiol-specific antioxidant protein family. This protein is a bifunctional enzyme with two distinct active sites. It is involved in redox regulation of the cell. it can reduce H (2)O (2) and short chain organic, fatty acid, and phospholipid hydroperoxides. It may play a role in the regulation of phospholipid turnover as well as in protection against oxidative injury.
Product Categories/Family for anti-PRDX6 antibody	Redox Proteins
References	Phelan SA., et al. (2001) Antioxid Redox Signal. 1 (4): 571-584.; Trevisan R., et al. (2014) Comp Biochem Physiol C Toxicol Pharmacol. 159: 22-30.; McDonagh B., et al. (2014) J Proteome Res. 13: 5008-5021.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4758638
NCBI GeneID	9588
NCBI Accession #	NP_004896
NCBI GenBank Nucleotide #	NM_004905.2
UniProt Accession #	P30041; P32077; Q5TAH4; Q5ZEZ8; A8JZY7
Molecular Weight	25,035 Da
NCBI Official Full Name	peroxiredoxin-6
NCBI Official Synonym Full Names	peroxiredoxin 6
NCBI Official Symbol	PRDX6
NCBI Official Synonym Symbols	PRX; p29; AOP2; 1-Cys; NSGPx; aiPLA2; HEL-S-128m
NCBI Protein Information	peroxiredoxin-6
UniProt Protein Name	Peroxiredoxin-6
UniProt Gene Name	PRDX6
UniProt Synonym Gene Names	AOP2; KIAA0106; aiPLA2; NSGPx

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.