

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

Anti-Peroxiredoxin 6 Antibody, Mouse Monoclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA255374	Mouse	Human	Immunoprecipitation, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

Peroxiredoxin 6; Monoclonal Antibody; Anti-Peroxiredoxin 6 Antibody; Mouse Monoclonal; Peroxiredoxin 6/PRDX6 Antibody; Mouse MAb; peroxiredoxin 6; Anti-1-Cys Antibody; Anti-aiPLA2 Antibody; Anti-AOP2 Antibody; Anti-HEL-S-128m Antibody; Anti-NSGPx Antibody; Anti-p29 Antibody; Anti-PRX Antibody; anti-PRDX6 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG1
Clone Number	03
Specificity	Human Peroxiredoxin 6/PRDX6. No cross-reactivity in ELISA with E Coli cell lysate
Purity/Purification	Protein A
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-PRDX6 antibody	IP (Immunoprecipitation), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Immunogen	Recombinant Human Peroxiredoxin 6/PRDX6 protein
Conjugation	Unconjugated
Preparation	This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, recombinant Human Peroxiredoxin 6/PRDX6 (rh Peroxiredoxin 6/PRDX6). The IgG fraction of the cell culture supernatant was purified by Protein A affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IP (Immunoprecipitation)

PRDX6 was immunoprecipitated using: Lane A: 0.5 mg Hela Whole Cell Lysate, 2 uL anti-PRDX6 mouse monoclonal antibody and 15 uL of 50 % Protein G agarose. Primary antibody: Anti-PRDX6 mouse monoclonal antibody, at 1:500 dilution. Secondary antibody: DyLight 800-labeled antibody to Mouse IgG (H+L), at 1:7500 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 26 kDa. Observed band size: 26 kDa.



WB (Western Blot)

Anti-PRDX6 mouse monoclonal antibody at 1:2000 dilution. Lane A: Hela Whole Cell Lysate. Lane B: 293T Whole Cell Lysate. Lane C: Jurkat Whole Cell Lysate. Lane D: MCF7 Whole Cell Lysate. Lysates/proteins at 30 ug per lane. Secondary: Goat Anti-Mouse IgG H&L (DyLight 800) at 1/15000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 25 kDa. Observed band size: 27 kDa.



IHC (Immunohistochemistry)

Immunochemical staining of human PRDX6 in human brain with mouse monoclonal antibody (1:60, formalin-fixed paraffin embedded sections). Positive staining was localized to neuroglia cells.

ADDITIONAL INFORMATION

Related Product Information for anti-PRDX6 antibody	PRDX6, a member of antioxidant protein superfamily, plays an important role in oxidative stress, catabolism of lipids and phospholipid liposomes. Peroxiredoxin 6 (PRDX6) is involved in redox regulation of the cell and is thought to be protective against oxidant injury. Peroxiredoxin 6 (PRDX6) is a bifunctional protein with both glutathione peroxidase (GPx) and iPLA2 activities, which are concomitantly increased with the expression of PRDX6. PRDX6 promoted lung tumor growth in an in vivo allograft model.
---	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	1718024
NCBI GeneID	9588
UniProt Accession #	P30041; P32077; Q5TAH4; Q5ZEZ8; A8JZY7
Molecular Weight	Observed: 27kDa Calculated: 25kDa
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; 1-Cys PRX; 24 kDa protein; 1-Cys peroxiredoxin; antioxidant protein 2; liver 2D page spot 40; red blood cells page spot 12; non-selenium glutathione peroxidase; acidic calcium-independent phospholipase A2; epididymis secretory sperm bindi
UniProt Protein Name	Peroxiredoxin-6
UniProt Gene Name	PRDX6
UniProt Synonym Gene Names	AOP2; KIAA0106; 1-Cys PRX; aiPLA2; NSGPx
UniProt Entry Name	PRDX6_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/peroxiredoxin-6-antibody-clone-03-immunoprecipitation-immunohistochemistry-western-blot-elisa/255374>