

Rabbit PRDX6 Polyclonal Antibody | anti-PRDX6 antibody

PRDX6 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA31127	Rabbit	Human, Mouse, Rat	Western Blot, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

PRDX6; Polyclonal Antibody; PRDX6 Antibody; 1 Cys; 1 Cys peroxiredoxin; 1 Cys PRX; 1 cysPrx; 1-Cys peroxiredoxin; 1-Cys PRX; 24 kDa protein; 9430088D19Rik; AA690119; Acidic calcium independent phospholipase A2; Acidic calcium-independent phospholipase A2; aiPLA2; Antioxidant protein 2; AOP2; Aop2 rs3; Brp 12; Ciliary body glutathione peroxidase; CP 3; EC 1.11.1.15; EC 1.11.1.7; EC 3.1.1.; Epididymis secretory sperm binding protein Li 128m; GPx; HEL S 128m; KIAA0106; Liver 2D page spot 40; Ltw4; Lvtw 4; MGC46173; mKIAA0106; Non selenium glutathione peroxidase; Non-selenium glutathione peroxidase; NSGPx; ORF06; OTTHUMP00000032693; p29; Peroxiredoxin-6; Peroxiredoxin6; PHGPx; Phospholipase A2 lysosomal; PLA2; PRDX 6; Prdx5; Prdx6 rs3; PRDX6_HUMAN; PRX; Red blood cells page spot 12; Thiol specific antioxidant protein; anti-PRDX6 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	Peroxiredoxin 6 antibody detects endogenous levels of total Peroxiredoxin 6.
Purity/Purification	Peptide affinity purification
Form/Format	Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	~1mg/ml (varies by lot)
Sequence Length	224
Applicable Applications for anti-PRDX6 antibody	WB (Western Blot), IHC (Immunohistochemistry), ELISA
Application Notes	WB: 1:500-1:2000 IHC: 1:50-1:200 IF/ICC:: 1:100-1:500 ELISA (peptide): 1:20000-1:40000 The optimal dilution should be determined by the end user. IMPORTANT: For western blots, incubate membrane with diluted antibody in 5% w/v milk , 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.
Immunogen	A synthesized peptide derived from human PRDX6, corresponding to a region within the internal amino acids.
RRID	AB_2838727
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



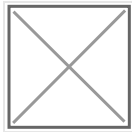
IF (Immunofluorescence)

AAA31127 staining HeLa cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. Samples were then incubated with primary Ab(AAA31127 1:200) and mouse anti-beta tubulin Ab(1:200) for 1 hour at 37°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary Ab. The nuclear counter stain is DAPI(blue).



IHC (Immunohistochemistry)

AAA31127 at 1/100 staining Rat kidney tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary Ab at 4°C overnight. An HRP conjugated anti-Rabbit Ab was used as the secondary Ab.



IHC (Immunohistochemistry)

AAA31127 at 1/100 staining Human gastric tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)

Western blot analysis of extracts from various samples, using Peroxiredoxin 6 Ab. Lane 1: Rat lung, blocked with antigen-specific peptides, Lane 2: Rat lung, Lane 3: Mouse liver.



WB (Western Blot)

Western blot analysis of Mouse brain lysate, using PRDX6 Antibody. The lane on the left is treated with the antigen-specific peptide.



WB (Western Blot)

Western blot analysis of extracts from mouse brain, using PRDX6 Antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-PRDX6 antibody	Description: Prdx6(Peroxiredoxin-6), a unique member of the peroxiredoxin family of antioxidants, is highly expressed in liver and protects cells from oxidative damage by reducing H2O2 and various lipid Peroxides(PMID: 17382207).It is also named as AOP2, KIAA0106. It can form a dimer(PMID:20500660).PRDX6 is expressed in all major organs, with a particularly high level in lung(PMID:15890616).This antibody is specific to PRDX6.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4758638
NCBI GeneID	9588
NCBI Accession #	NP_004896.1
NCBI GenBank Nucleotide #	NM_004905.2
UniProt Accession #	P30041; P32077; Q5TAH4; Q5ZEZ8; A8JZY7
Molecular Weight	25 kDa
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; 1-Cys PRX; 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/prdx6-antibody-western-blot-immunohistochemistry-elisa/31127>