

anti-Human, Mouse Peroxiredoxin 6 Polyclonal Antibody | anti-PRDX6 antibody

Anti-Peroxiredoxin 6 Antibody

CATALOG # AAA46441	REACTIVITY Human, Mouse	APPLICATIONS Immunohistochemistry, Western Blot
------------------------------	-----------------------------------	---

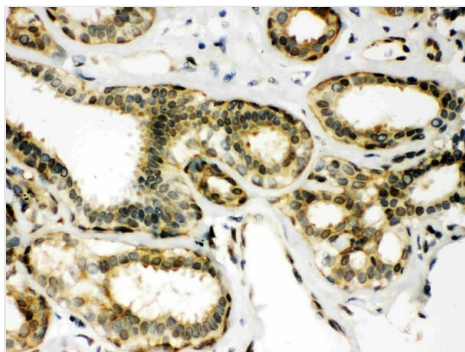
PRODUCT SYNONYMS

Peroxiredoxin 6; Polyclonal Antibody; Anti-Peroxiredoxin 6 Antibody; Peroxiredoxin-6; 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 3.1.1.1; GPx; KIAA0106; Liver 2D page spot 40; Ltw4; Lvtw 4; MGC46173; mKIAA0106; Non selenium glutathione peroxidase; Non-selenium glutathione peroxidase; NSGPx; ORF06; OTTHUMP00000032693; p29; Peroxiredoxin6; PHGPx; Phospholipase A2 lysosomal; PLA2; PRDX 6; Prdx5; PRDX6; Prdx6 rs3; PRDX6_HUMAN; PRX; Red blood cells page spot 12; Thiol specific antioxidant protein; peroxiredoxin 6; anti-PRDX6 antibody

PRODUCT SPECIFICATIONS

Reactivity	Human, Mouse
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	224
Applicable Applications for anti-PRDX6 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived human Peroxiredoxin 6 recombinant protein (Position: E15-P224). Human Peroxiredoxin 6 shares 90% and 91% amino acid (aa) sequence identity with mouse and rat Peroxiredoxin 6, respectively.
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES


IHC (Immunohistochemistry)

Anti- Peroxiredoxin 6 Picoband antibody, AAA46441, IHC(P)IHC(P): Human Mammary Cancer Tissue


WB (Western Blot)

Anti- Peroxiredoxin 6 Picoband antibody, AAA46441, Western blottingAll lanes: Anti Peroxiredoxin 6 (AAA46441) at 0.5ug/mlLane 1: Mouse Liver Tissue Lysate at 50ugLane 2: 293T Whole Cell Lysate at 40ugPredicted bind size: 25KDObserved bind size: 25KD

ADDITIONAL INFORMATION

Related Product Information for anti-PRDX6 antibody	Description: Rabbit IgG polyclonal antibody for Peroxiredoxin-6(PRDX6) detection. Tested with WB, IHC-P in Human;Mouse. Background: PRDX6 is also known as PRX, p29 or AOP2. The protein encoded by this gene 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.
References	1. Ambruso DR, et al. Peroxiredoxin 6 translocates to the plasma membrane during neutrophil activation and is required for optimal NADPH oxidase activity. Biochim Biophys Acta, 2012 Feb. 2. Chhunchha B, et al. Aberrant sumoylation signaling evoked by reactive oxygen species impairs protective function of Prdx6 by destabilization and repression of its transcription. FEBS J, 2014 Aug. 3. Guo HW, et al. Expression of peroxiredoxin 6 in gastric cancer and its clinical significance. Zhonghua Yi Xue Za Zhi, 2012 Sep 11.

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	25,035 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; 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.