

Rabbit PRDX6 Polyclonal Antibody | anti-PRDX6 antibody

PRDX6 Antibody (Center)

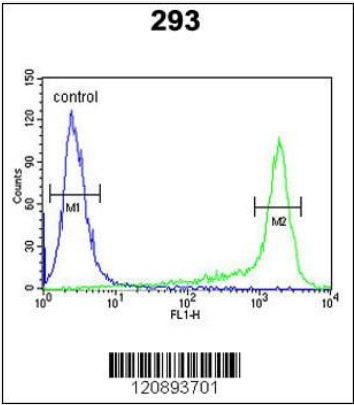
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA286791	Rabbit	Human (Predicted Reactivity: Bovine, Monkey, Rat)	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

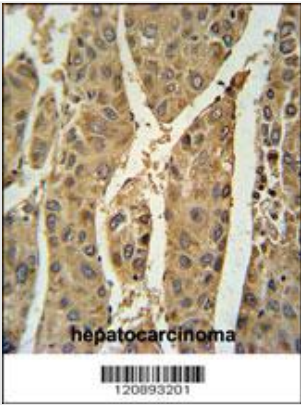
PRDX6; Polyclonal Antibody; PRDX6 Antibody (Center); Peroxiredoxin-6; 1-Cys peroxiredoxin; 1-Cys PRX; 24 kDa protein; Acidic calcium-independent phospholipase A2; aiPLA2; 311-; Antioxidant protein 2; Liver 2D page spot 40; Non-selenium glutathione peroxidase; NSGPx; Red blood cells page spot 12; AOP2; KIAA0106; anti-PRDX6 antibody

PRODUCT SPECIFICATIONS

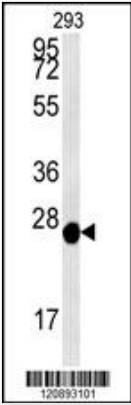
Host	Rabbit
Reactivity	Human (Predicted Reactivity: Bovine, Monkey, Rat)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This PRDX6 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 103-132 amino acids from the Central region of human PRDX6.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	103-132
Sequence Length	224
Applicable Applications for anti-PRDX6 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
PRDX6 Antibody (Center) flow cytometric analysis of 293 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)
PRDX6 Antibody (Center) immunohistochemistry analysis in formalin fixed and paraffin embedded human hepatocarcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the PRDX6 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
PRDX6 Antibody (Center) western blot analysis in 293 cell line lysates (35ug/lane). This demonstrates the PRDX6 antibody detected the PRDX6 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-PRDX6 antibody	PRDX6 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	Cancer; Cardiovascular; Cell biology; Metabolism; Signal transduction
References	Davila, S., et al. Genes Immun. (2010) In press : Kubo, E., et al. Am. J. Physiol., Cell Physiol. 298 (2), C342-C354 (2010) : Sorokina, E.M., et al. Am. J. Physiol. Lung Cell Mol. Physiol. 297 (5), L871-L880 (2009)

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	25035
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/prdx6-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/286791>