

Rabbit anti-Human PRDX3 Polyclonal Antibody | anti-PRDX3 antibody

PRDX3 Antibody (N-term)

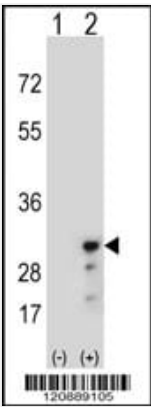
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA289396	Rabbit	Human	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

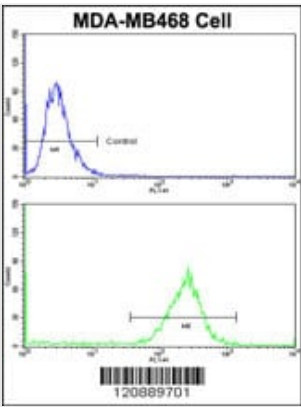
PRDX3; Polyclonal Antibody; PRDX3 Antibody (N-term); Thioredoxin-dependent peroxide reductase; mitochondrial; Antioxidant protein 1; AOP-1; HBC189; Peroxiredoxin III; Prx-III; Peroxiredoxin-3; Protein MER5 homolog; AOP1; anti-PRDX3 antibody

PRODUCT SPECIFICATIONS

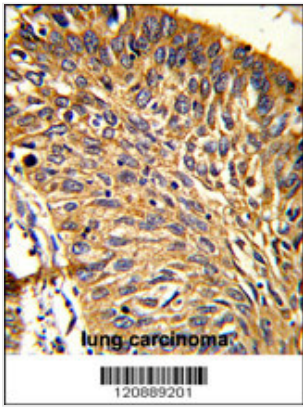
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This PRDX3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 66-94 amino acids from the N-terminal region of human PRDX3.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	66-94
Sequence Length	238
Applicable Applications for anti-PRDX3 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.



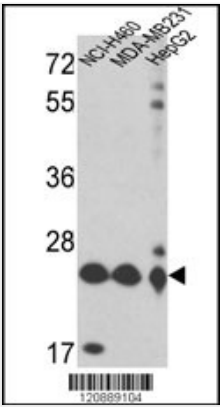
WB (Western Blot)
Western blot analysis of PRDX3 (arrow) using rabbit polyclonal PRDX3 Antibody (N-term). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the PRDX3 gene.



FCM/FACS (Flow Cytometry)
Flow cytometric analysis of MDA-MB468 cells using PRDX3 Antibody (N-term) (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)
Formalin-fixed and paraffin-embedded human lung carcinoma reacted with PRDX3 Antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)
Western blot analysis of PRDX3 Antibody (N-term) in NCI-H460,MDA-MB231,HepG2 cell line lysates (35ug/lane). PRDX3 (arrow) was detected using the purified Pab.(2ug/ml

ADDITIONAL INFORMATION

Related Product Information for anti-PRDX3 antibody	PRDX3 is a protein with antioxidant function and is localized in the mitochondrion. This protein is involved in redox regulation of the cell and Protects radical-sensitive enzymes from oxidative damage by a radical-generating system.It Acts synergistically with MAP3K13 to regulate the activation of NF-kappa-B in the cytosol.
Product Categories/Family for anti-PRDX3 antibody	Cancer; Cardiovascular; Cell Biology; Metabolism; Neuroscience; Signal Transduction
References	Cox,A.G., et.al., Biochemistry 48 (27), 6495-6501 (2009)

NCBI AND UNIPROT INFORMATION

NCBI GI #	5802974
NCBI GeneID	10935
NCBI Accession #	NP_006784.1; NP_054817.2
NCBI GenBank Nucleotide #	NM_006793.4
UniProt Accession #	P30048; P35690; Q0D2H1; Q13776; Q5T5V2; Q96HK4; B2R7Z0; D3DRC9; E9PH29
Molecular Weight	27693

NCBI Official Full Name	thioredoxin-dependent peroxide reductase, mitochondrial isoform a
NCBI Official Synonym Full Names	peroxiredoxin 3
NCBI Official Symbol	PRDX3
NCBI Official Synonym Symbols	AOP1; MER5; AOP-1; SP-22; HBC189; PRO1748; prx-III
NCBI Protein Information	thioredoxin-dependent peroxide reductase, mitochondrial
UniProt Protein Name	Thioredoxin-dependent peroxide reductase, mitochondrial
UniProt Gene Name	PRDX3
UniProt Synonym Gene Names	AOP1; AOP-1; Prx-III
UniProt Entry Name	PRDX3_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://www.aaabiotech.com/polyclonal/prdx3-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/289396>