

Rabbit anti-Human Peroxiredoxin 1 Polyclonal Antibody | anti-PRDX1 antibody

Anti-Peroxiredoxin 1 Antibody, Rabbit Polyclonal

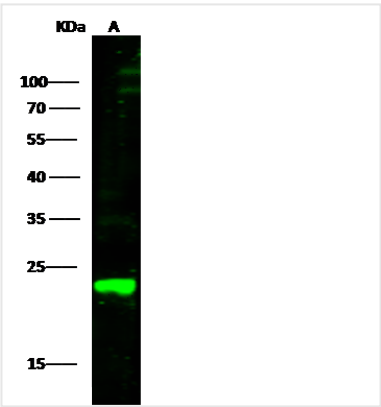
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA255348	Rabbit	Human	Immunoprecipitation, ELISA, Western Blot

PRODUCT SYNONYMS

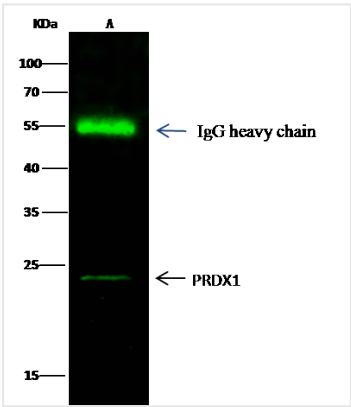
Peroxiredoxin 1; Polyclonal Antibody; Anti-Peroxiredoxin 1 Antibody; Rabbit Polyclonal; Peroxiredoxin 1/PRDX1 Antibody; Rabbit PAb; Antigen Affinity Purified; peroxiredoxin 1; Anti-MSP23 Antibody; Anti-NKEF-A Antibody; Anti-NKEFA Antibody; Anti-PAG Antibody; Anti-PAGA Antibody; Anti-PAGB Antibody; Anti-PRX1 Antibody; Anti-PRXI Antibody; Anti-TDPX2 Antibody; anti-PRDX1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human Peroxiredoxin 1/PRDX1
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-PRDX1 antibody	IP (Immunoprecipitation), ELISA, WB (Western Blot)
Immunogen	Recombinant Human Peroxiredoxin 1/PRDX1 protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Human Peroxiredoxin 1/PRDX1 (rh Peroxiredoxin 1/PRDX1). Peroxiredoxin 1/PRDX1 specific IgG was purified by Human Peroxiredoxin 1/PRDX1 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.



WB (Western Blot)
Anti-PRDX1 rabbit polyclonal antibody at 1:500 dilutionLane A: A431 Whole Cell LysateLysates/proteins at 30 ug per lane.SecondaryGoat Anti-Rabbit IgG H&L (Dylight800) at 1/10000 dilution.Developed using the Odyssey technique.Performed under reducing conditions.Predicted band size:22 kDaObserved band size:22 kDa



IP (Immunoprecipitation)
PRDX1 was immunoprecipitated using:Lane A:0.5 mg A431 Whole Cell Lysate2 uL anti-PRDX1 rabbit polyclonal antibody and 15 ul of 50 % Protein G agarose.Primary antibody:Anti-PRDX1 rabbit polyclonal antibody,at 1:200 dilutionSecondary antibody:Dylight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilutionDeveloped using the odssey technique.Performed under reducing conditions.Predicted band size: 22 kDaObserved band size: 22 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-PRDX1 antibody	Peroxiredoxin-1, also known as Thioredoxin peroxidase 2, Natural killer cell-enhancing factor A, PRDX1, and PAGA, is a member of the ahpC/TSA family. Peroxiredoxin-1 is constitutively expressed in most human cells. It is induced to higher levels upon serum stimulation in untransformed and transformed cells. Peroxiredoxins (PRDXs) are a family of antioxidant enzymes that are also known as scavengers of peroxide in mammalian cells. The overexpression of Peroxiredoxin-1, which is one of the peroxiredoxins that is a ubiquitously expressed protein, was related to a poor prognosis in several types of human cancers. Peroxiredoxin-1 is involved in redox regulation of the cell. It reduces peroxides with reducing equivalents provided through the thioredoxin system but not from glutaredoxin and may play an important role in eliminating peroxides generated during metabolism. Peroxiredoxin-1 Might participate in the signaling cascades of growth factors and tumor necrosis factor-alpha by regulating the intracellular concentrations of H2O2. The reduced Peroxiredoxin-1 expression is an important factor in esophageal squamous cancer progression and could serve as a useful prognostic marker.
References	Neumann, CA. et al., 2003, Nature 424 (6948): 561-5 Gisin, J. et al., 2005, J Clin Pathol. 58 (11): 1229-31. Hoshino, I. et al., 2007, Oncol Rep. 18 (4): 867-71. Cao, J. et al., 2009, EMBO J. 28 (10): 1505-17.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505591
NCBI GeneID	5052
NCBI Accession #	NP_002565.1
NCBI GenBank Nucleotide #	NM_002574.3
UniProt Accession #	Q06830; P35703; Q2V576; Q5T154; Q5T155; B5BU26; D3DPZ8
Molecular Weight	22,110 Da
NCBI Official Full Name	peroxiredoxin-1
NCBI Official Synonym Full Names	peroxiredoxin 1
NCBI Official Symbol	PRDX1
NCBI Official Synonym Symbols	PAG; PAGA; PAGB; PRX1; PRXI; MSP23; NKEFA; TDPX2; NKEF-A
NCBI Protein Information	peroxiredoxin-1; thioredoxin peroxidase 2; proliferation-associated gene A; natural killer-enhancing factor A; proliferation-associated gene protein; natural killer cell-enhancing factor A; thioredoxin-dependent peroxide reductase 2

UniProt Protein Name	Peroxiredoxin-1
UniProt Gene Name	PRDX1
UniProt Synonym Gene Names	PAGA; PAGB; TDPX2; NKEF-A; PAG
UniProt Entry Name	PRDX1_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/peroxiredoxin-1-antibody-immunoprecipitation-western-blot-elisa/255348>