

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

PRDX3 Antibody

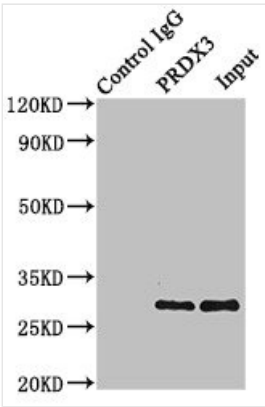
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA232633	Rabbit	Human, Mouse	Immunofluorescence, Immunohistochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

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

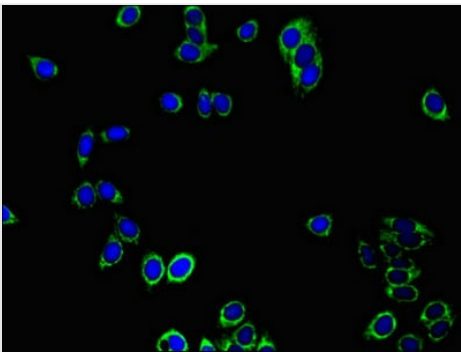
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	198
Applicable Applications for anti-PRDX3 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	Recombinant human Thioredoxin-dependent peroxide reductase, mitochondrial protein (63-256AA)
Preservative	0.03% Proclin 300
Constituents	50% Glycerol, 0.01M PBS, PH 7.4
Conjugation	Non-conjugated
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-23973
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.



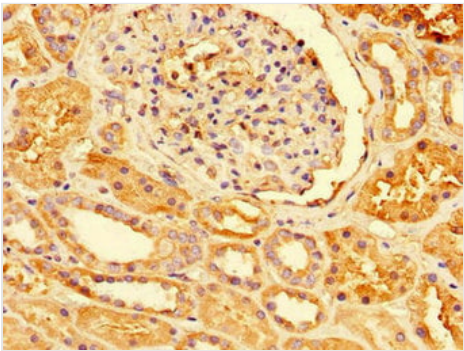
IP (Immunoprecipitation)

Immunoprecipitating PRDX3 in Hela whole cell lysateLane 1: Rabbit monoclonal IgG (1ug)instead of AAA232633 in Hela whole cell lysate. For western blotting,a HRP-conjugated Protein G antibody was used as the secondary antibody (1/2000)Lane 2: AAA232633 (8ug)+ Hela whole cell lysate (500ug)Lane 3: Hela whole cell lysate (10ug)



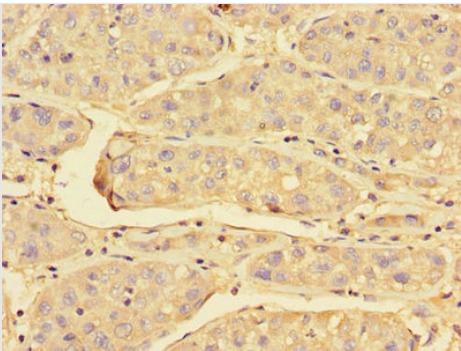
IF (Immunofluorescence)

Immunofluorescent analysis of HepG2 cells using AAA232633 at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



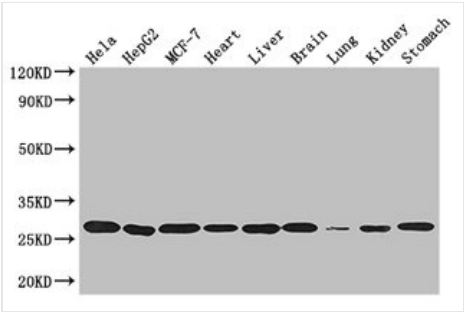
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human renal tissue using AAA232633 at dilution of 1:100



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human liver cancer tissue using AAA232633 at dilution of 1:100



WB (Western Blot)

Western BlotPositive WB detected in:HeLa whole cell lysate,HepG2 whole cell lysate,MCF-7 whole cell lysate,Mouse heart tissue,Mouse liver tissue,Mouse brain tissue,Mouse lung tissue,Mouse kidney tissue,Mouse stomach tissueAll lanes: PRDX3 antibody at 3.2ug/mlSecondaryGoat polyclonal to rabbit IgG at 1/50000 dilutionPredicted band size: 28,26 kDaObserved band size: 28 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-PRDX3 antibody	Involved in redox regulation of the cell. Protects radical-sensitive enzymes from oxidative damage by a radical-generating system. Acts synergistically with MAP3K13 to regulate the activation of NF-kappa-B in the cytosol.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	695917253
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NCBI GeneID	10935
NCBI Accession #	NP_001289201.1
NCBI GenBank Nucleotide #	NM_001302272.1
UniProt Accession #	P30048 ; P35690 ; Q0D2H1 ; Q13776 ; Q5T5V2 ; Q96HK4 ; B2R7Z0 ; D3DRC9 ; E9PH29
Molecular Weight	25,839 Da
NCBI Official Full Name	thioredoxin-dependent peroxide reductase, mitochondrial isoform c
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/prdx3-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/232633>