

Mouse anti-Human PRDX3 Monoclonal Antibody | anti-PRDX3 antibody

Mouse anti-Homo sapiens (Human) PRDX3 Monoclonal antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA279043	Mouse	Human	Flow Cytometry, Functional Assay, Immunofluorescence, Western Blot, ELISA

PRODUCT SYNONYMS

PRDX3; Monoclonal Antibody; Mouse anti-Homo sapiens (Human) PRDX3 Monoclonal antibody; PRDX3 Monoclonal Antibody; Antioxidant protein 1; AOP 1; AOP-1; AOP1; HBC189; MER5; MGC104387; MGC24293; mitochondrial; peroxiredoxin 3; Peroxiredoxin III; Peroxiredoxin-3; PRDX3_HUMAN; PRO1748; Protein MER5 homolog; PRX III; Prx-III; PRX3; SP 22; SP-22; SP22; Thioredoxin dependent peroxide reductase mitochondrial; Thioredoxin-dependent peroxide reductase; anti-PRDX3 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Clone Number	6E6E12
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid; PBS, 0.1% sodium azide, 50% glycerol, pH 7.3.
Applicable Applications for anti-PRDX3 antibody	FCM/FACS (Flow Cytometry), IF (Immunofluorescence), WB (Western Blot), ELISA
Immunogen Species	Human
Immunogen	Recombinant Human Thioredoxin-dependent peroxide reductase, mitochondrial protein (63-256AA)
Conjugation	Non-conjugated
Research Area	Signal Transduction
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



FCM/FACS (Flow Cytometry)

Overlay Peak curve showing MCF7 cells stained with AAA279043 (red line) at 1:50. The cells were incubated in 10% normal goat serum to block non-specific protein-protein interactions followed by the antibody (1ug/1*106cells) for 1h at 4°C. The secondary antibody used was FITC-conjugated Goat Anti-Mouse IgG(H+L) at 1/100 dilution for 30min at 4°C. Isotype control antibody (green line) was mouse IgG1 (1ug/1*106cells) used under the same conditions. Acquisition of >10,000 events was performed.



FCM/FACS (Flow Cytometry)

Overlay Peak curve showing Hela cells stained with AAA279043 (red line) at 1:50. The cells were incubated in 10% normal goat serum to block non-specific protein-protein interactions followed by the antibody (1ug/1*106cells) for 1h at 4°C. The secondary antibody used was FITC-conjugated Goat Anti-Mouse IgG(H+L) at 1/100 dilution for 30min at 4°C. Isotype control antibody (green line) was mouse IgG1 (1ug/1*106cells) used under the same conditions. Acquisition of >10,000 events was performed.



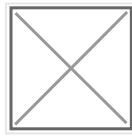
IF (Immunofluorescence)

Immunofluorescence staining of MCF7 cells with (AAA279043) at 1:50, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. Nuclear DNA was labeled in blue with DAPI. The secondary antibody was FITC-conjugated AffiniPure Goat Anti-Mouse IgG (H+L).



IF (Immunofluorescence)

Immunofluorescence staining of HeLa cells with (AAA279043) at 1:50, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. Nuclear DNA was labeled in blue with DAPI. The secondary antibody was FITC-conjugated AffiniPure Goat Anti-Mouse IgG (H+L).



WB (Western Blot)

Western BlotPositive WB detected in: HeLa whole cell lysate, MCF7 whole cell lysate, 293T whole cell lysate, JK whole cell lysate, HepG2 whole cell lysate, Raji whole cell lysate, U87 whole cell lysateAll lanes: PRDX3 antibody at 1:1000SecondaryGoat polyclonal to mouse IgG at 1/50000 dilutionPredicted band size: 28 kDaObserved band size: 28 KDaExposure time?5min

NCBI AND UNIPROT INFORMATION

NCBI GI #	2507171
NCBI GeneID	10935
UniProt Accession #	P30048; P35690; Q0D2H1; Q13776; Q5T5V2; Q96HK4; B2R7Z0; D3DRC9; E9PH29
Molecular Weight	256
NCBI Official Full Name	Thioredoxin-dependent peroxide reductase, mitochondrial
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; peroxiredoxin-3; peroxiredoxin III; protein MER5 homolog; antioxidant protein 1
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/monoclonal/prdx3-antibody-clone-6e6e12-flow-cytometry-immunofluorescence-western-blot-elisa/279043>