

Rabbit anti-Human PRDX4 Monoclonal Antibody | anti-PRDX4 antibody

Anti-PRDX4 [SAIC-40C-8]

CATALOG # AAA72081	HOST Rabbit	REACTIVITY Human	APPLICATIONS Western Blot, ELISA
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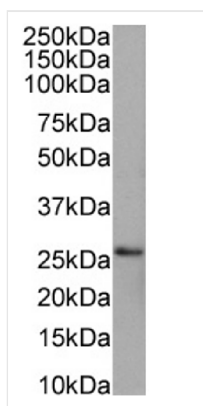
PRODUCT SYNONYMS

PRDX4; Monoclonal Antibody; Anti-PRDX4 [SAIC-40C-8]; Peroxiredoxin-4; anti-PRDX4 antibody

PRODUCT SPECIFICATIONS

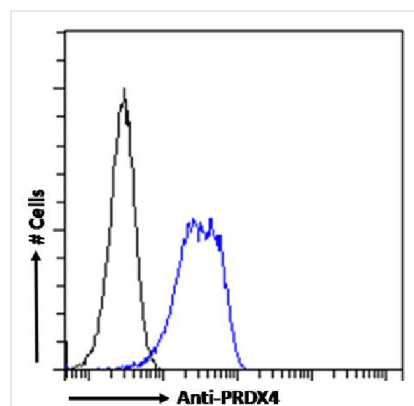
Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG, kappa
Clone Number	SAIC-40C-8
Specificity	Recognizes human PRDX4.
Purity/Purification	Purified antibody. Protein A affinity purified
Form/Format	PBS with 0.02% Proclin 300.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-PRDX4 antibody	WB (Western Blot), ELISA
PMID	25512614
Preparation and Storage	Store at 4 degree C for up to 3 months. For longer storage, aliquot and store at -20 degree C.

IMAGES



WB (Western Blot)

Western Blot using anti-PRDX4 antibody SAIC-40C-8 (AAA72081). HEK293 cell lysates (35ug protein in RIPA buffer) were resolved on a SDS PAGE gel and blots were probed with the chimeric rabbit version of SAIC-40C-8 () at 0.001ug/ml before detection using an anti-rabbit secondary antibody. A primary incubation of 1h was used and protein was detected by chemiluminescence.



FCM/FACS (Flow Cytometry)

Flow cytometry using the Anti-PRDX4 antibody SAIC-40C-8 (AAA72081). Paraformaldehyde fixed HeLa cells permeabilized with 0.5% Triton were stained with anti-unknown specificity antibody or the rabbit IgG version of SAIC-40C-8 (, blue line) at a dilution of 1:100 for 1h at RT. After washing, the bound antibody was detected using a goat anti-rabbit IgG AlexaFluor 488 antibody at a dilution of 1:1000 and cells analyzed using a FACSCanto flow-cytometer.

ADDITIONAL INFORMATION

Related Product Information for anti-PRDX4 antibody	Recombinant monoclonal antibody to PRDX4. Recombinant Platform with variable regions (i.e. specificity) from the B-cell cDNA library SAIC-40C-8. Peptide "LVQAFQYTDK" derived from the cell redox-regulator Peroxiredoxin-4, conjugated to KLH.
Product Categories/Family for anti-PRDX4 antibody	immunoMRM
References	Schoenherr et al. Anti-peptide monoclonal antibodies generated for immuno-multiple reaction monitoring-mass spectrometry assays have a high probability of supporting Western blot and ELISA. Mol Cell Proteomics Note on publication: Describes generation a panel of recombinant antibodies using synthetic peptides of human proteins as well as validation using ELISA and multiple reaction monitoring-mass spectrometry.

NCBI AND UNIPROT INFORMATION

NCBI GI #	3024727
NCBI GeneID	10549
UniProt Accession #	Q13162; Q6FHT3
Molecular Weight	271
NCBI Official Full Name	Peroxiredoxin-4
NCBI Official Synonym Full Names	peroxiredoxin 4
NCBI Official Symbol	PRDX4
NCBI Official Synonym Symbols	PRX-4; AOE372; AOE37-2; HEL-S-97n
NCBI Protein Information	peroxiredoxin-4; prx-IV; peroxiredoxin IV; antioxidant enzyme AOE372; thioredoxin peroxidase AO372; thioredoxin peroxidase (antioxidant enzyme); thioredoxin-dependent peroxide reductase A0372; epididymis secretory sperm binding protein Li 97n
UniProt Protein Name	Peroxiredoxin-4
UniProt Gene Name	PRDX4
UniProt Synonym Gene Names	AOE37-2; Prx-IV
UniProt Entry Name	PRDX4_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://stage.aaabiotech.com/monoclonal/prdx4-antibody-clone-saic-40c-8-western-blot-elisa/72081>