

PRDX2 recombinant antibody

PRDX2 Recombinant Monoclonal Antibody

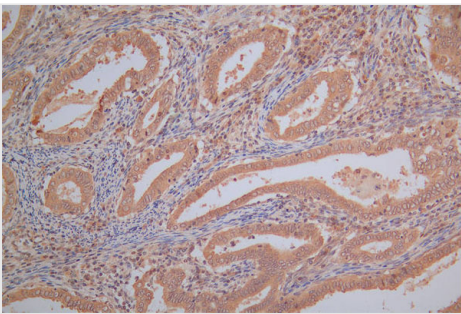
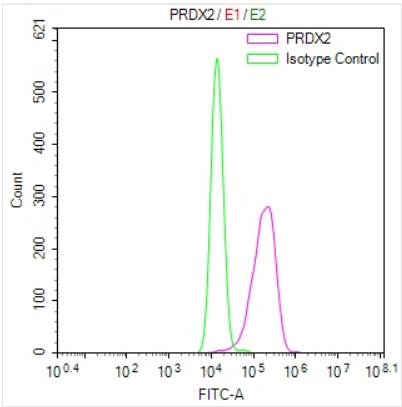
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA279179	HEK293F Cell	Human	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

PRDX2; Monoclonal Recombinant Antibody; PRDX2 Recombinant Monoclonal Antibody; Epididymis secretory sperm binding protein Li 2a; HEL S 2a; MGC4104; Natural killer cell enhancing factor B; Natural killer cell-enhancing factor B; Natural Killer Enhancing Factor B; NKEF B; NKEF-B; NKEFB; Peroxiredoxin 2; Peroxiredoxin-2; PRDX 2; PRDX2_HUMAN; PrP; PRX2; PRXII; PTX1; TDPX1; Thiol Specific Antioxidant 1 ; Thiol specific antioxidant protein; Thiol-specific antioxidant protein; Thioredoxin Dependent Peroxide Reductase 1; Thioredoxin peroxidase 1; Thioredoxin-dependent peroxide reductase 1; Torin; TPX1; TSA; PRDX2 recombinant antibody

PRODUCT SPECIFICATIONS

Host	HEK293F Cell
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG
Clone Number	4E8
Purity/Purification	Affinity purified
Form/Format	Liquid; 0.03% Proclin 300, 50% glycerol, 0.01M PBS, pH 7.4.
Applicable Applications for PRDX2 recombinant antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA
Immunogen Species	Human
Immunogen	Recombinant Human PRDX2 protein
Conjugation	Non-conjugated
Research Area	Neuroscience; Cancer; Cell biology; Metabolism
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.



IHC (Immunohistochemistry)
IHC image of AAA279179 diluted at 1:130 and staining in paraffin-embedded human endometrial cancer performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-Mouse IgG labeled by HRP and visualized using 0.05% DAB.

FCM/FACS (Flow Cytometry)
Overlay Peak curve showing Hela cells stained with AAA279179 (red line) at 1:200. Then 10% normal goat serum was incubated to block non-specific protein-protein interactions followed by the antibody (1ug/1*10⁶cells) for 45 min at 4°C. The secondary antibody used was FITC-conjugated Goat Anti-Mouse IgG(H+L) at 1/200 dilution for 35 min at 4°C. Isotype control antibody (green line) was mouse IgG1 (1ug/1*10⁶cells) used under the same conditions. Acquisition of >10,020 events was performed.

NCBI AND UNIPROT INFORMATION

NCBI GI #	49456535
NCBI GeneID	7001
UniProt Accession #	P32119; P31945; P32118; P35701; Q6FHG4; Q92763; Q9UC23; A8K0C0
Molecular Weight	21,892 Da
NCBI Official Full Name	PRDX2
NCBI Official Synonym Full Names	peroxiredoxin 2
NCBI Official Symbol	PRDX2
NCBI Official Synonym Symbols	PRP; TSA; PRX2; PTX1; TPX1; NKEFB; PRXII; TDPX1; NKEF-B
NCBI Protein Information	peroxiredoxin-2; torin; thioredoxin peroxidase 1; thiol-specific antioxidant 1; natural killer cell-enhancing factor B; thioredoxin-dependent peroxide reductase 1
UniProt Protein Name	Peroxisredoxin-2
UniProt Gene Name	PRDX2
UniProt Synonym Gene Names	NKEFB; TDPX1; NKEF-B; TSA
UniProt Entry Name	PRDX2_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.