

Mouse PTPRE Monoclonal Antibody | anti-PTPRE antibody

PTPRE antibody

CATALOG # AAA106980	HOST Mouse	APPLICATIONS Flow Cytometry, Functional Assay, Immunofluorescence, Immunohistochemistry
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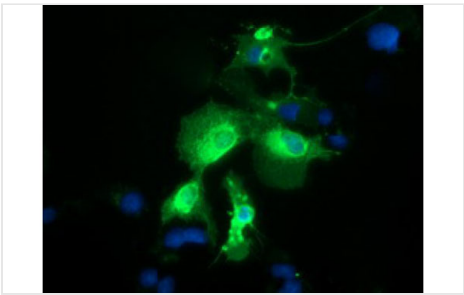
PRODUCT SYNONYMS

PTPRE; Monoclonal Antibody; PTPRE antibody; Monoclonal PTPRE; Anti-PTPRE; Protein Tyrosine Phosphatase Receptor Type E; DKFZp313F1310; HPTPE; PTPE; R-PTP-EPSILON; anti-PTPRE antibody

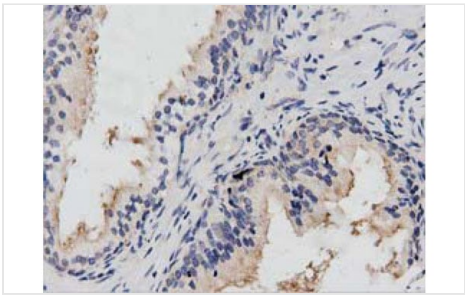
PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG2b
Clone Number	2A9
Purity/Purification	PTPRE antibody was purified by affinity chromatography.
Form/Format	Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration	500 ug-1 mg/ml (varies by lot)
Sequence Length	700
Applicable Applications for anti-PTPRE antibody	FCM/FACS (Flow Cytometry), IF (Immunofluorescence), IHC (Immunohistochemistry)
Biological Significance	PTPRE is a member of the protein tyrosine phosphatase (PTP) family. PTPs are known to be signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic transformation. Two alternatively spliced transcript variants of this gene have been reported, one of which encodes a receptor-type PTP that possesses a short extracellular domain, a single transmembrane region, and two tandem intracytoplasmic catalytic domains.
Cross-Reactivity	Human
Immunogen	PTPRE antibody was raised in mouse using a full length recombinant protein of human PTPRE (NP_006495) produced in HEK293T cells, as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

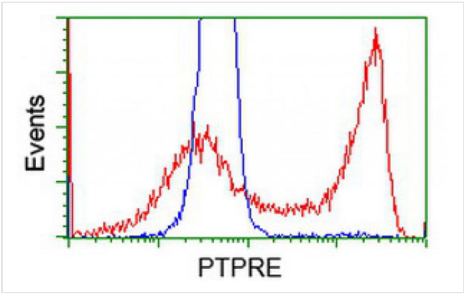
IMAGES



IF (Immunofluorescence)
Immunofluorescent staining of COS7 cells transiently transfected with recombinant PTPRE protein using PTPRE antibody



IHC (Immunohistochemistry)
Immunohistochemical analysis of PTPRE protein in paraffin embedded Human prostate tissue using PTPRE antibody



FCM/FACS (Flow Cytometry)
Flow Cytometric analysis of HEK293T cells transfected with either recombinant PTPRE protein (red) or empty vector (blue) stained using PTPRE antibody

ADDITIONAL INFORMATION

Related Product Information for anti-PTPRE antibody	Mouse monoclonal PTPRE antibody
Product Categories/Family for anti-PTPRE antibody	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	5729993
NCBI GeneID	5791
NCBI Accession #	NP_006495
NCBI GenBank Nucleotide #	NM_006504.4
UniProt Accession #	P23469; Q13345; Q5VWH3; Q5VWH4; Q96KQ6
Molecular Weight	71,382 Da
NCBI Official Full Name	receptor-type tyrosine-protein phosphatase epsilon isoform 1
NCBI Official Synonym Full Names	protein tyrosine phosphatase, receptor type, E
NCBI Official Symbol	PTPRE
NCBI Official Synonym Symbols	PTPE; HPTPE; R-PTP-EPSILON
NCBI Protein Information	receptor-type tyrosine-protein phosphatase epsilon
UniProt Protein Name	Receptor-type tyrosine-protein phosphatase epsilon
UniProt Gene Name	PTPRE

UniProt Synonym Gene Names	Protein-tyrosine phosphatase epsilon; R-PTP-epsilon
UniProt Entry Name	PTPRE_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://www.aaabiotech.com/monoclonal/ptpre-antibody-clone-2a9-flow-cytometry-immunofluorescence-immunohistochemistry-elisa/106980>