

anti-Human, Mouse PTP1B Antibody | anti-PTP1B antibody

PTP1B (Ab-50) Antibody

CATALOG # AAA112012	REACTIVITY Human, Mouse	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
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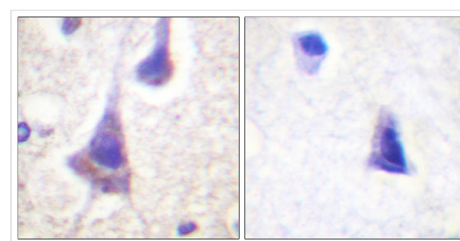
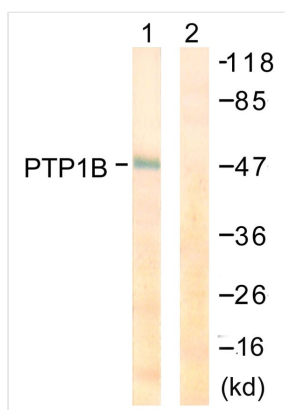
PRODUCT SYNONYMS

PTP1B; PTP1B (Ab-50) Antibody; CPTP1; EC 3.1.3.48; PTN1; PTP-1B; PTP-HA2; PTPN1; Protein-protein-tyrosine phosphatase HA2; Protein-tyrosine phosphatase 1B; Protein-tyrosine phosphatase; non-receptor type 1; anti-PTP1B antibody

PRODUCT SPECIFICATIONS

Reactivity	Human, Mouse
Specificity	PTP1B (Ab-50) antibody detects endogenous levels of total PTP1B protein.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Form/Format	In phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Sequence Length	362
Applicable Applications for anti-PTP1B antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	The antiserum was produced against synthesized non-phosphopeptide derived from human PTP1B around the phosphorylation site of serine 50 (D-V-SP-P-F).
Preparation and Storage	Store at -20 degree C for 1 year.

IMAGES



Application Data
Peptide+

IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded human brain tissue using PTP1B (Ab-50) antibody. Western blot analysis of extracts from COS7 cells, treated with UV (30mins), using PTP1B (Ab-50) antibody.

ADDITIONAL INFORMATION

Product Categories/Family for anti-PTP1B antibody	Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells
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References	Gang Xu, J. Biol. Chem., Dec 2002; 277: 49989-49997. Yinges Yigzaw, J. Biol. Chem., Jan 2003; 278: 284-288. Jinseol Rhee, J. Biol. Chem., Feb 2001; 276: 6640-6644. Fawaz G. Haj, Science, Mar 2002; 295: 1708.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	519666804
NCBI GeneID	5770
NCBI Accession #	NP_001265547.1
NCBI GenBank Nucleotide #	NM_001278618.1
UniProt Accession #	P18031; Q5TGD8; Q9BQV9; Q9NQQ4
Molecular Weight	49,967 Da
NCBI Official Full Name	tyrosine-protein phosphatase non-receptor type 1 isoform 2
NCBI Official Synonym Full Names	protein tyrosine phosphatase, non-receptor type 1
NCBI Official Symbol	PTPN1
NCBI Official Synonym Symbols	PTP1B
NCBI Protein Information	tyrosine-protein phosphatase non-receptor type 1
UniProt Protein Name	Tyrosine-protein phosphatase non-receptor type 1
UniProt Gene Name	PTPN1
UniProt Synonym Gene Names	PTP1B; PTP-1B

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.