PTPalpha Antibody – Polyclonal

PRODUCT OVERVIEW

Product Name	PTPalpha, Polyclonal Antibody
Full Product Name	PTPalpha (phospho Tyr798) Polyclonal Antibody
Product Gene Name	anti-PTPalpha antibody
Clonality	Polyclonal
Molecular Weight	89,703 Da
OMIM	176884
3D Structure	ModBase 3D Structure for P18433
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for anti-PTPalpha antibody	MBS8520091 is an antibody targeting PTPalpha. Also known as PTPalpha (phospho Tyr798) Polyclonal Antibody.
Other Notes	Small volumes of anti-PTPalpha antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PTPalpha. It may not necessarily be applicable to this product.

NCBI GI #	4506303
NCBI GeneID	5786
NCBI Accession #	NP_002827.1
UniProt Primary Accession #	P18433
UniProt Secondary Accession #	Q14513; Q7Z2I2; Q96TD9; A8K2G8; D3DVX5
UniProt Related Accession #	P18433
GenBank Nucleotide #	NM_002836.3
NCBI Official Full Name	receptor-type tyrosine-protein phosphatase alpha isoform 1
NCBI Official Synonym Full Names	protein tyrosine phosphatase, receptor type A
NCBI Official Symbol	PTPRA
NCBI Official Synonym Symbols	LRP; HLPR; PTPA; HEPTP; HPTPA; RPTPA; PTPRL2; HPTPalpha; R-PTP-alpha
UniProt Protein Name	Receptor-type tyrosine-protein phosphatase alpha
UniProt Gene Name	PTPRA
UniProt Synonym Gene Names	PTPA; PTPRL2; Protein-tyrosine phosphatase alpha; R-PTP-alpha
NCBI Protein Information	receptor-type tyrosine-protein phosphatase alpha

NCBI Summary for PTPalpha	The protein encoded by this gene 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. This PTP contains an extracellular domain, a single transmembrane segment and two tandem intracytoplasmic catalytic domains, and thus represents a receptor-type PTP. This PTP has been shown to dephosphorylate and activate Src family tyrosine kinases, and is implicated in the regulation of integrin signaling, cell adhesion and proliferation. Three alternatively spliced variants of this gene, which encode two distinct isoforms, have been reported. [provided by RefSeq, Jul 2008]
Research Articles on PTPalpha	**1.** VacA mediates CagA phosphorylation through RPTPalpha in AZ-521 cells.
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