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PTPH1 Rabbit pAb

Catalog # AP96338

Product Information

Application	WB
Primary Accession	P26045
Other Accession	P26045
Reactivity	Human
Predicted	Rat, Mouse, Dog, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	103990
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human PTPH1/PTPN3
Epitope Specificity	11-110/913
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the protein-tyrosine phosphatase family. Non-receptor class subfamily.Contains 1 FERM domain. Contains 1 PDZ (DHR) domain. Contains 1 tyrosine-protein phosphatase domain.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	The phosphorylation of proteins at tyrosine residues has long been recognized as an important regulatory component of signal transduction. This is a reversible process, involving both enzymes that phosphorylate proteins on tyrosine residues as well as a rapidly expanding family of protein tyrosine phosphatases. These latter enzymes bear little resemblance to either the protein serine and protein threonine phosphatases or to the acid and alkaline phosphatases. In most tissues, the major PTPase is a vanadate- and molybdate-sensitive protein. PTP-H1 shares homology with the cytoskeletal-associated proteins band 4.1, ezrin, and talin and has been shown to contain a PDZ and band 4.1 domain. These domains are responsible for targeting proteins to the cytoskeleton-membrane interface, as well as mediating protein-protein interactions, recognizing C-terminal valine residues and binding to other PDZ domains. Overexpression of PTP-H1 may reverse transformation induced by oncogenic protein-tyrosine kinases, such as the members of the src family.

Additional Information

Gene ID	5774
Other Names	PTP-H1; PTPH1; 9530011I20Rik; PTPCL; PTN3_HUMAN; PTPN3; Protein-tyrosine phosphatase H1 (PTP-H1); 3.1.3.48; PTN3_MOUSE; protein tyrosine phosphatase non-receptor type 3

Dilution	WB=1:500-2000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	PTPN3
Synonyms	PTPH1
Function	May act at junctions between the membrane and the cytoskeleton. Possesses tyrosine phosphatase activity.
Cellular Location	Cell membrane; Peripheral membrane protein; Cytoplasmic side. Cytoplasm, cytoskeleton

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.