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PTPD1 Rabbit pAb

Catalog # AP99675

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q16825
Other Accession	Q16825
Reactivity	Rat, Human, Mouse
Predicted	Pig, Rabbit, Dog, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	133281
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human PTPD1
Epitope Specificity	171-270/1174
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 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 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 N-terminal domain, similar to cytoskeletal- associated proteins including band 4.1, ezrin, merlin, and radixin. This PTP was shown to specially interact with BMX/ETK, a member of Tec tyrosine kinase family characterized by a multimodular structures including PH, SH3, and SH2 domains. The interaction of this PTP with BMX kinase was found to increase the activation of STAT3, but not STAT2 kinase. Studies of the similar gene in mice suggested the possible roles of this PTP in liver regeneration and spermatogenesis. [provided by RefSeq, Jul 2008]

Additional Information

Gene ID	11099
Other Names	PTPD1; PTPRL10; Ptp2E; PTN21_HUMAN; PTPN21; Protein-tyrosine phosphatase D1; 3.1.3.48; PTN21_MOUSE; Protein-tyrosine phosphatase PTP-RL10; PTN21_RAT; Protein-tyrosine phosphatase 2E; protein tyrosine phosphatase non-receptor type 21
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
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	PTPN21
Synonyms	PTPD1
Cellular Location	Cytoplasm, cytoskeleton.

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