



Mouse anti-Human PTPN12 monoclonal antibody, clone BH36 (CABT-B9514)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	Baculovirus-expressed human full-length PTP-PEST
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human, Mouse
Clone	BH36
Purification	Protein A/G
Conjugate	Unconjugated
Applications	IM, WB
Format	Liquid
Size	100 µg
Buffer	PBS
Preservative	0.08% sodium azide
Storage	-20°C, Avoid Freeze/Thaw Cycles

BACKGROUND

Introduction	The protein encoded by this gene is a member of the protein tyrosine phosphatase (PTP) family. PTPs are signaling molecules that regulate a variety of cellular processes including cell
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growth, differentiation, mitotic cycle, and oncogenic transformation. This PTP contains a C-terminal PEST motif, which serves as a protein-protein interaction domain, and may regulate protein intracellular half-life. This PTP was found to bind and dephosphorylate the product of the oncogene c-ABL and thus may play a role in oncogenesis. This PTP was also shown to interact with, and dephosphorylate, various products related to cytoskeletal structure and cell adhesion, such as p130 (Cas), CAKbeta/PTK2B, PSTPIP1, and paxillin. This suggests it has a regulatory role in controlling cell shape and mobility. Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Oct 2008]

Keywords	PTPN12; protein tyrosine phosphatase, non-receptor type 12; PTPG1; PTP-PEST; tyrosine-protein phosphatase non-receptor type 12; protein-tyrosine phosphatase G1;
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GENE INFORMATION

Entrez Gene ID	5782
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UniProt ID	B4E105
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