



Anti-PTPN4 (aa 361-460) polyclonal antibody (DPAB-DC2612)

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

PRODUCT INFORMATION

Antigen Description	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 protein contains a C-terminal PTP domain and an N-terminal domain homologous to the band 4.1 superfamily of cytoskeletal-associated proteins. This PTP has been shown to interact with glutamate receptor delta 2 and epsilon subunits, and is thought to play a role in signalling downstream of the glutamate receptors through tyrosine dephosphorylation.
Immunogen	PTPN4 (NP_002821, 361 a.a. ~ 460 a.a) partial recombinant protein with GST tag. The sequence is KPLARKLMDWEVVSRSISDDRLETQSLPSRSPPGTPNHRNSTFTQEGTRLRPSSVGHLV DHMVHTSPSEVFNQRSPSSTQANSIVLESSPSQETPGDG
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	PTPN4 protein tyrosine phosphatase, non-receptor type 4 (megakaryocyte) [Homo sapiens (human)]
Official Symbol	PTPN4
Synonyms	PTPN4; protein tyrosine phosphatase, non-receptor type 4 (megakaryocyte); MEG; PTPMEG; PTPMEG1; tyrosine-protein phosphatase non-receptor type 4; PTPase-MEG1; megakaryocyte phosphatase; protein tyrosine phosphatase MEG1; protein-tyrosine phosphatase MEG1; megakaryocyte protein-tyrosine phosphatase;
Entrez Gene ID	5775
Protein Refseq	NP_002821
UniProt ID	A0A024RAE8
Chromosome Location	2q14.2
Function	cytoskeletal protein binding; non-membrane spanning protein tyrosine phosphatase activity; protein binding;