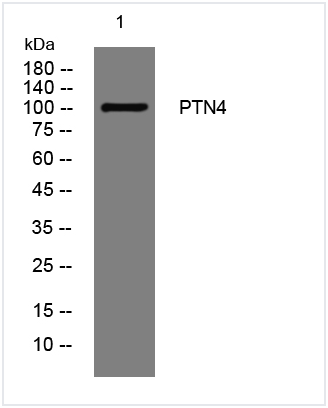
PTN4 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	PTN4, Polyclonal Antibody
Full Product Name	PTN4 Antibody
Product Gene Name	anti-PTN4 antibody
Product Synonym Names	PTN4
Clonality	Polyclonal
Isotype	Rabbit IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Purity/Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration	1mg/ml (lot specific)
Specificity	This antibody detects endogenous levels of PTN4 at Human/Mouse
Preparation and Storage	Store at -20 degree C/1 year
Molecular Weight	105,911 Da
OMIM	176878
3D Structure	ModBase 3D Structure for P29074
Immunogen	Synthesized peptide derived from human PTN4 AA range: 496-546
Modification	Unmodified/Total
Product Categories/Family for anti-PTN4 antibody	Primary Antibodies
Applications Tested/Suitable for anti-PTN4 antibody	Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-PTN4 antibody	WB: 1:500-2000 IHC: 1:50-300
Related Product Information for anti-PTN4 antibody	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. [provided by RefSeq, Jul 2008]
Other Notes	Small volumes of anti-PTN4 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.
Searchable Terms for PTN4 purchase	MBS9520656 is an antibody targeting PTN4. Also known as PTN4 Antibody. Reactive in Human, Mouse. Host: Rabbit.



Immunohistochemistry (IHC) of anti-PTN4 antibody
Immunohistochemical analysis of paraffin-embedded human oophoroma. 1, Antibody was diluted at 1:200(4 degree overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).



Western Blot (WB) of anti-PTN4 antibody
Western blot analysis of lysates from HpeG2 cells, primary antibody was diluted at 1:1000, 4 degree over night

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PTN4. It may not necessarily be applicable to this product.

NCBI GI #	4506295
NCBI GeneID	5775
NCBI Accession #	NP_002821.1
UniProt Primary Accession #	P29074
UniProt Secondary Accession #	Q9UDA7; B2RBV8
UniProt Related Accession #	P29074
GenBank Nucleotide #	NM_002830.3
NCBI Official Full Name	tyrosine-protein phosphatase non-receptor type 4
NCBI Official Synonym Full Names	protein tyrosine phosphatase, non-receptor type 4
NCBI Official Symbol	PTPN4
NCBI Official Synonym Symbols	MEG; PTPMEG; PTPMEG1
UniProt Protein Name	Tyrosine-protein phosphatase non-receptor type 4
UniProt Synonym Protein Names	Protein-tyrosine phosphatase MEG1; MEG; PTPase-MEG1
UniProt Gene Name	PTPN4
UniProt Synonym Gene Names	MEG; PTPase-MEG1
UniProt Entry Name	PTN4_HUMAN
NCBI Protein Information	tyrosine-protein phosphatase non-receptor type 4
UniProt Comments for PTN4	PTPN4: May act at junctions between the membrane and the cytoskeleton. Belongs to the protein-tyrosine phosphatase family. Non-receptor class subfamily. Protein type: EC 3.1.3.48; Motility/polarity/chemotaxis; Protein phosphatase, tyrosine (non-receptor) Chromosomal Location of Human Ortholog: 2q14.2 Cellular Component: cytoplasm; internal side of plasma membrane Molecular Function: protein binding Biological Process: protein amino acid dephosphorylation

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