



PTN18 Polyclonal Antibody

Catalog No	YP-Ab-06327
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB;ELISA
Gene Name	PTPN18 BDP1
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	PTN18 Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Tyrosine-protein phosphatase non-receptor type 18;PTP HSCF;EC:3.1.3.48; Brain-derived phosphatase;BDP1;PTN18;PTPN18 BDP1;Tyrosine-protein phosphatase non-receptor type 18 (EC 3.1.3.48) (Brain-derived phosphatase)
Observed Band	48 kDa
Calculated Molecular Weight	460 aa, 50 kDa
Cell Pathway	Nucleus . Cytoplasm .
Tissue Specificity	Expressed in brain, colon and several tumor-derived cell lines.
Function	catalytic activity:Protein tyrosine phosphate + H(2)O = protein tyrosine + phosphate.;function:Differentially dephosphorylate autophosphorylated tyrosine kinases which are known to be overexpressed in tumor tissues.;similarity:Belongs to the protein-tyrosine phosphatase family. Non-receptor class 4 subfamily.;similarity:Contains 1 tyrosine-protein phosphatase domain.;subunit:Interacts with PSTPIP1.;tissue specificity:Expressed in brain, colon and several tumor-derived cell lines.;
Background	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, the



mitotic cycle, and oncogenic transformation. This PTP contains a PEST motif, which often serves as a protein-protein interaction domain, and may be related to protein intracellular half-life. This protein can differentially dephosphorylate autophosphorylated tyrosine kinases that are overexpressed in tumor tissues, and it appears to regulate HER2, a member of the epidermal growth factor receptor family of receptor tyrosine kinases. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2008]

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images