



PTN2 rabbit pAb

Cat No.:ES10404

For research use only

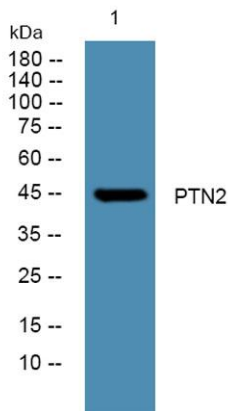
Overview

Product Name	PTN2 rabbit pAb
Host species	Rabbit
Applications	WB;ELISA
Species Cross-Reactivity	Human;Rat;Mouse
Recommended dilutions	WB 1:500-2000 ELISA 1:5000-20000
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	PTN2 Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Tyrosine-protein phosphatase non-receptor type 2 (EC 3.1.3.48) (T-cell protein-tyrosine phosphatase) (TCPTP)
Gene Name	PTPN2 PTP
Cellular localization	[Isoform 1]: Endoplasmic reticulum . Endoplasmic reticulum-Golgi intermediate compartment . Targeted to the endoplasmic reticulum by its C-terminal hydrophobic region. .; [Isoform 2]: Nucleus. Cytoplasm. Cell membrane. Predominantly localizes to chromatin
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	45kD
Human Gene ID	5771
Human Swiss-Prot Number	P17706
Alternative Names	
Background	The protein encoded by this gene is a member of the protein tyrosine phosphatase (PTP) family.





Members of the PTP family share a highly conserved catalytic motif, which is essential for the catalytic activity. PTPs are known to be signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic transformation. Epidermal growth factor receptor and the adaptor protein Shc were reported to be substrates of this PTP, which suggested the roles in growth factor mediated cell signaling. Multiple alternatively spliced transcript variants encoding different isoforms have been found. Two highly related but distinctly processed pseudogenes that localize to chromosomes 1 and 13, respectively, have been reported. [provided by RefSeq, May 2011],



Western blot analysis of lysates from U2OS cells, primary antibody was diluted at 1:1000, 4° over night

