

Immunotag™ PTN2 Polyclonal Antibody

Antibody Specification	
Catalog No.	ITN1458
Product Description	Immunotag™ PTN2 Polyclonal Antibody
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	PTN2
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,ELISA
Recommended Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Reactive Species	Human,Rat,Mouse
Host Species	Rabbit
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	PTN2 Polyclonal Antibody detects endogenous levels of protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Gene Name	PTPN2 PTPT
Accession No.	P17706 Q06180 P35233

Antibody Specification

Description	protein tyrosine phosphatase, non-receptor type 2(PTPN2) Homo sapiens 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],
Protein Expression	Brain, Eye, T-cell, Testis, Whole embryo,
Subcellular Localization	nucleus, nucleoplasm, endoplasmic reticulum, endoplasmic reticulum-Golgi intermediate compartment, plasma membrane, integral component of membrane,
Protein Function	catalytic activity: Protein tyrosine phosphate + H ₂ O = protein tyrosine + phosphate., similarity: Belongs to the protein-tyrosine phosphatase family. Non-receptor class 1 subfamily., similarity: Contains 1 tyrosine-protein phosphatase domain., subunit: Interacts with FAM82A2., tissue specificity: PTPA isoform is probably the major PTP expressed in human tissues. PTPB isoform was found in T-cells and in placenta.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.