

Product datasheet for **TA356513**

PTPRN Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human PTPRN
Specificity:	Expected reactivity: Cow, Dog, Guinea Pig, Horse, Human, Mouse, Pig, Rabbit, Rat Homology: Cow: 86%; Dog: 100%; Guinea Pig: 85%; Horse: 93%; Human: 100%; Mouse: 100%; Pig: 86%; Rabbit: 100%; Rat: 100%
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Concentration:	lot specific
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	96kDa
Gene Name:	protein tyrosine phosphatase, receptor type N
Database Link:	NP_001186692 Entrez Gene 5798 Human Q16849



[View online »](#)

Background:

PTPRN 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 PTP possesses an extracellular region, a single transmembrane region, and a single catalytic domain, and thus represents a receptor-type PTP. This PTP was found to be an autoantigen that is reactive with insulin-dependent diabetes mellitus (IDDM) patient sera, and thus may be a potential target of autoimmunity in diabetes mellitus.

Synonyms:

FLJ16131; IA-2; IA-2/PTP; IA2; ICA3; ICA512; R-PTP-N

Protein Families:

Druggable Genome, Transmembrane

Protein Pathways:

Type I diabetes mellitus

Product images:



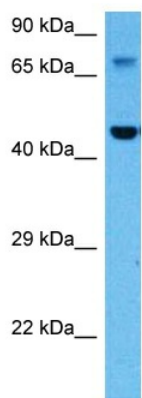
Host: Rabbit
 Target Name: PTPRN
 Sample Type: Liver Tumor Lysate
 Antibody Dilution: 0.5µg/ml

Host: Rabbit
 Target Name: PTPRN
 Sample Tissue: Human Liver Tumor
 Antibody Dilution: 1ug/ml



Host: Rabbit
 Target Name: PTPRN
 Sample Type: Human Kidney
 Antibody Dilution: 0.5 ug/ml

Host: Rabbit
 Target Name: PTPRN
 Sample Type: Human Kidney
 Antibody Dilution: 0.5 ug/ml



Host: Rabbit
Target Name: PTPRN
Sample Type: A172 Cell Lysate
Antibody Dilution: 1.0µg/ml

Host: Rabbit
Target Name: PTPRN
Sample Tissue: Human A172 Whole Cell
Antibody Dilution: 5ug/ml