

Human Receptor-Type Tyrosine-Protein Phosphatase N2 (PTPRN2) ELISA Kit | PTPRN2 elisa kit

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CATALOG # AAA331230	REACTIVITY Human
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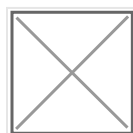
PRODUCT SYNONYMS

Receptor-Type Tyrosine-Protein Phosphatase N2 (PTPRN2); Human Receptor-Type Tyrosine-Protein Phosphatase N2 (PTPRN2) ELISA Kit; PTPRN2; IA-2beta; IAR; ICAAR; PTPRP; IAR/receptor-like protein-tyrosine phosphatase; phogrin; protein tyrosine phosphatase receptor pi; tyrosine phosphatase IA-2 beta; PTPRN2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Receptor-type tyrosine-protein phosphatase N2 (PTPRN2) ELISA Kit has high sensitivity and excellent specificity for detection of Human PTPRN2. No significant cross-reactivity or interference between Human PTPRN2 and analogues was observed.
Sequence Length	1015
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Receptor-type tyrosine-protein phosphatase N2 (PTPRN2) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for PTPRN2 elisa kit	Description: This Human Receptor-type tyrosine-protein phosphatase N2 (PTPRN2) ELISA Kit employs a two-site sandwich ELISA to quantitate PTPRN2 in samples. An antibody specific for PTPRN2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PTPRN2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PTPRN2 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of PTPRN2 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Receptor-type tyrosine-protein phosphatase N2 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 intracellular catalytic domain, and thus represents a receptor-type PTP. The catalytic domain of this PTP is most closely related to PTPRN/IA-2beta. This PTP and PTPRN are both found to be major autoantigens associated with insulin-dependent diabetes mellitus. Three alternatively spliced transcript variants of this gene, which encode distinct proteins, have been reported.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	194097440
NCBI GeneID	5799
NCBI Accession #	NP_002838.2
NCBI GenBank Nucleotide #	NP_002838.2
UniProt Accession #	Q92932
NCBI Official Full Name	receptor-type tyrosine-protein phosphatase N2 isoform 1
NCBI Official Synonym Full Names	protein tyrosine phosphatase receptor type N2
NCBI Official Symbol	PTPRN2
NCBI Official Synonym Symbols	IAR; ICAAR; PTPRP; IA-2beta; R-PTP-N2
NCBI Protein Information	receptor-type tyrosine-protein phosphatase N2
UniProt Protein Name	Receptor-type tyrosine-protein phosphatase N2
UniProt Gene Name	PTPRN2
UniProt Synonym Gene Names	KIAA0387; R-PTP-N2; IAR; ICAAR
UniProt Entry Name	PTPR2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.