

Human Tyrosine-Protein Phosphatase Non-Receptor Type 6 (PTPN6) ELISA Kit | PTPN6 elisa kit

Human Tyrosine-Protein Phosphatase Non-Receptor Type 6 (PTPN6) ELISA Kit

CATALOG # AAA331234	REACTIVITY Human
-------------------------------	----------------------------

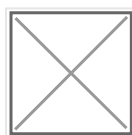
PRODUCT SYNONYMS

Tyrosine-Protein Phosphatase Non-Receptor Type 6 (PTPN6); Human Tyrosine-Protein Phosphatase Non-Receptor Type 6 (PTPN6) ELISA Kit; PTPN6; HCP; HCPH; HPTP1C; PTP-1C; SH-PTP1; SHP-1; SHP-1L; SHP1; hematopoietic cell phosphatase; hematopoietic cell protein-tyrosine phosphatase; protein-tyrosine phosphatase 1C; PTPN6 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Tyrosine-protein phosphatase non-receptor type 6 (PTPN6) ELISA Kit has high sensitivity and excellent specificity for detection of Human PTPN6. No significant cross-reactivity or interference between Human PTPN6 and analogues was observed.
Sequence Length	595
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 Tyrosine-protein phosphatase non-receptor type 6 (PTPN6) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for PTPN6 elisa kit	Description: This Human Tyrosine-protein phosphatase non-receptor type 6 (PTPN6) ELISA Kit employs a two-site sandwich ELISA to quantitate PTPN6 in samples. An antibody specific for PTPN6 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PTPN6 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PTPN6 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 PTPN6 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: 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. N-terminal part of this PTP contains two tandem Src homolog (SH2) domains, which act as protein phospho-tyrosine binding domains, and mediate the interaction of this PTP with its substrates. This PTP is expressed primarily in hematopoietic cells, and functions as an important regulator of multiple signaling pathways in hematopoietic cells. This PTP has been shown to interact with, and dephosphorylate a wide spectrum of phospho-proteins involved in hematopoietic cell signaling. Multiple alternatively spliced variants of this gene, which encode distinct isoforms, have been reported.
---	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	18104989
NCBI GeneID	5777
NCBI Accession #	NP_002822.2
NCBI GenBank Nucleotide #	NP_002822.2
UniProt Accession #	P29350
NCBI Official Full Name	tyrosine-protein phosphatase non-receptor type 6 isoform 1
NCBI Official Synonym Full Names	protein tyrosine phosphatase non-receptor type 6
NCBI Official Symbol	PTPN6
NCBI Official Synonym Symbols	HCP; HCPH; SHP1; SHP-1; HPTP1C; PTP-1C; SHP-1L; SH-PTP1
NCBI Protein Information	tyrosine-protein phosphatase non-receptor type 6
UniProt Protein Name	Tyrosine-protein phosphatase non-receptor type 6
UniProt Gene Name	PTPN6
UniProt Synonym Gene Names	HCP; PTP1C; PTP-1C
UniProt Entry Name	PTN6_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.