

Human Protein Tyrosine Phosphatase Type IVA 2 (PTP4A2) ELISA Kit | PTP4A2 elisa kit

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CATALOG #
AAA331239

REACTIVITY
Human

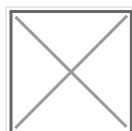
PRODUCT SYNONYMS

Protein Tyrosine Phosphatase Type IVA 2 (PTP4A2); Human Protein Tyrosine Phosphatase Type IVA 2 (PTP4A2) ELISA Kit; PTP4A2; HH13; HH7-2; HU-PP-1; OV-1; PRL-2; PRL2; PTP4A; PTPCAAX2; ptp-IV1a; ptp-IV1b; phosphatase of regenerating liver 2; protein tyrosine phosphatase IVA; protein tyrosine phosphatase IVA2; PTP4A2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Protein tyrosine phosphatase type IVA 2 (PTP4A2) ELISA Kit has high sensitivity and excellent specificity for detection of Human PTP4A2. No significant cross-reactivity or interference between Human PTP4A2 and analogues was observed.
Sequence Length	167
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 Protein tyrosine phosphatase type IVA 2 (PTP4A2) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for PTP4A2 elisa kit	Description: This Human Protein tyrosine phosphatase type IVA 2 (PTP4A2) ELISA Kit employs a two-site sandwich ELISA to quantitate PTP4A2 in samples. An antibody specific for PTP4A2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PTP4A2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PTP4A2 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 PTP4A2 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Protein tyrosine phosphatase type IVA 2 is an enzyme belongs to a small class of the protein tyrosine phosphatase (PTP) family. PTPs are cell signaling molecules that play regulatory roles in a variety of cellular processes. PTPs in this class contain a protein tyrosine phosphatase catalytic domain and a characteristic C-terminal prenylation motif. This PTP has been shown to primarily associate with plasmic and endosomal membrane through its C-terminal prenylation. This PTP was found to interact with the beta-subunit of Rab geranylgeranyltransferase II (beta GGT II), and thus may function as a regulator of GGT II activity. Overexpression of this gene in mammalian cells conferred a transformed phenotype, which suggested its role in tumorigenesis.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	18104971
NCBI GeneID	8073
NCBI Accession #	NP_536316.1
NCBI GenBank Nucleotide #	NP_536316.1
UniProt Accession #	Q12974
NCBI Official Full Name	protein tyrosine phosphatase type IVA 2 isoform 1
NCBI Official Synonym Full Names	protein tyrosine phosphatase 4A2
NCBI Official Symbol	PTP4A2
NCBI Official Synonym Symbols	HH13; OV-1; PRL2; HH7-2; PRL-2; PTP4A; HU-PP-1; PTPCAAX2; ptp-IV1a; ptp-IV1b
NCBI Protein Information	protein tyrosine phosphatase type IVA 2
UniProt Protein Name	Protein tyrosine phosphatase type IVA 2
UniProt Gene Name	PTP4A2
UniProt Synonym Gene Names	PRL2; PTPCAAX2; PRL-2
UniProt Entry Name	TP4A2_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.