

Human Protein Tyrosine Phosphatase Type IVA 3 (PTP4A3) ELISA Kit | PTP4A3 elisa kit

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CATALOG #
AAA331238

REACTIVITY
Human

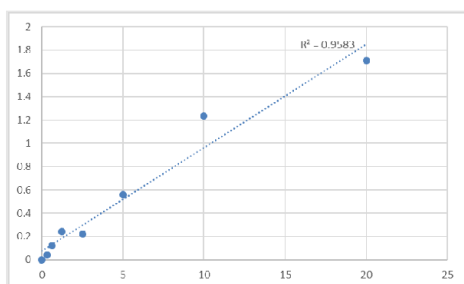
PRODUCT SYNONYMS

Protein Tyrosine Phosphatase Type IVA 3 (PTP4A3); Human Protein Tyrosine Phosphatase Type IVA 3 (PTP4A3) ELISA Kit; PTP4A3; PRL-3; PRL-R; PRL3; potentially prenylated protein tyrosine phosphatase; PTP4A3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Protein tyrosine phosphatase type IVA 3 (PTP4A3) ELISA Kit has high sensitivity and excellent specificity for detection of Human PTP4A3. No significant cross-reactivity or interference between Human PTP4A3 and analogues was observed.
Sequence Length	173
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 3 (PTP4A3) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for PTP4A3 elisa kit	Description: This Human Protein tyrosine phosphatase type IVA 3 (PTP4A3) ELISA Kit employs a two-site sandwich ELISA to quantitate PTP4A3 in samples. An antibody specific for PTP4A3 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PTP4A3 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PTP4A3 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 PTP4A3 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Protein tyrosine phosphatase type IVA 3 is an enzyme belongs to a small class of prenylated protein tyrosine phosphatases (PTPs). PTPs are cell signaling molecules that play regulatory roles in a variety of cellular processes. This class of PTPs contain a PTP domain and a characteristic C-terminal prenylation motif. Studies of this class of PTPs in mice demonstrated that they were prenylated proteins in vivo, which suggested their association with cell plasma membrane. Overexpression of this gene in mammalian cells was reported to inhibit angiotensin-II induced cell calcium mobilization and promote cell growth. Two alternatively spliced variants exist. Mainly expressed in cardiomyocytes and skeletal muscle; also found in pancreas. Consistently overexpressed in colon cancer metastasis.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	68566154
NCBI GeneID	11156
UniProt Accession #	O75365
NCBI Official Full Name	Protein tyrosine phosphatase type IVA 3
NCBI Official Synonym Full Names	protein tyrosine phosphatase 4A3
NCBI Official Symbol	PTP4A3
NCBI Official Synonym Symbols	PRL3; PRL-3; PRL-R
NCBI Protein Information	protein tyrosine phosphatase type IVA 3
UniProt Protein Name	Protein tyrosine phosphatase type IVA 3
UniProt Gene Name	PTP4A3
UniProt Synonym Gene Names	PRL3; PRL-3
UniProt Entry Name	TP4A3_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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/protein-tyrosine-phosphatase-type-iva-3-ptp4a3/331238>