

Human Protein Tyrosine Phosphatase Type IVA 1 (PTP4A1) ELISA Kit | PTP4A1 elisa kit

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CATALOG #
AAA31486

REACTIVITY
Human

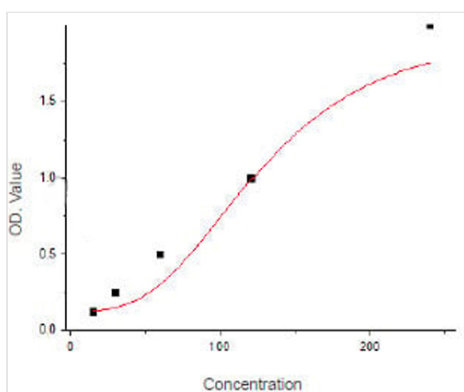
PRODUCT SYNONYMS

Protein Tyrosine Phosphatase Type IVA 1 (PTP4A1); Human Protein Tyrosine Phosphatase Type IVA 1 (PTP4A1) ELISA Kit; PTP4A1; RP5-1148A21.2; DKFZp779M0721; HH72; PRL-1; PRL1; PTP(CAAX1); PTPCAAX1; Protein tyrosine phosphatase IVA1; protein tyrosine phosphatase type IVA protein 1; PTP4A1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Protein tyrosine phosphatase type IVA 1 (PTP4A1) ELISA Kit has high sensitivity and excellent specificity for detection of Human PTP4A1. No significant cross-reactivity or interference between Human PTP4A1 and analogues was observed.
Sequence Length	173
Assay Type	Sandwich
Samples	Human serum, cell culture supernates and other biological fluids
Detection Range	15 ng/L - 240 ng/L
Sensitivity	< 1ng/L
Intra-assay Precision	Four samples of known concentration were tested twenty times on one plate to assess intra-assay precision. The CV (%)?9%.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PTP4A1 elisa kit	Background: PTP4A1 is highly expressed in fibroblasts from patients with SSc. PTP4A1 and its close homolog PTP4A2 are critical promoters of TGFbeta signaling in primary dermal fibroblasts and of bleomycin-induced fibrosis in vivo. PTP4A1 promotes TGFbeta signaling in human fibroblasts through enhancement of ERK activity, which stimulates SMAD3 expression and nuclear translocation. Principle of the Assay: Human Protein tyrosine phosphatase type IVA 1 (PTP4A1) ELISA Kit employs a two-site sandwich ELISA to quantitate PTP4A1 in samples. An antibody specific for PTP4A1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PTP4A1 present is bound by the immobilized antibody. After removing any unbound substances, HRP-Conjugated Human PTP4A1 detection antibody is added to the wells. Following a wash to remove any unbound HRP reagent, a Chromogen solution is added to the wells and color develops in proportion to the amount of PTP4A1 bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4506283
NCBI GeneID	7803
NCBI Accession #	NP_003454.1
NCBI GenBank Nucleotide #	NP_003454.1
UniProt Accession #	Q93096
NCBI Official Full Name	protein tyrosine phosphatase type IVA 1
NCBI Official Synonym Full Names	protein tyrosine phosphatase 4A1
NCBI Official Symbol	PTP4A1
NCBI Official Synonym Symbols	HH72; PRL1; PRL-1; PTPCAAX1; PTP(CAAX1)
NCBI Protein Information	protein tyrosine phosphatase type IVA 1
UniProt Protein Name	Protein tyrosine phosphatase type IVA 1
UniProt Gene Name	PTP4A1
UniProt Synonym Gene Names	PRL1; PTPCAAX1; PRL-1
UniProt Entry Name	TP4A1_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-1-ptp4a1/31486>