

Human Phosphatidylinositol Phosphatase PTPRQ (PTPRQ) ELISA Kit | PTPRQ elisa kit

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CATALOG #
AAA331229

REACTIVITY
Human

PRODUCT SYNONYMS

Phosphatidylinositol Phosphatase PTPRQ (PTPRQ); Human Phosphatidylinositol Phosphatase PTPRQ (PTPRQ) ELISA Kit; PTPRQ; PTPGMC1; protein-tyrosine phosphatase; receptor-type; expressed by glomerular mesangial cells; PTPRQ elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Phosphatidylinositol phosphatase PTPRQ (PTPRQ) ELISA Kit has high sensitivity and excellent specificity for detection of Human PTPRQ. No significant cross-reactivity or interference between Human PTPRQ and analogues was observed.
Sequence Length	2332
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 Phosphatidylinositol phosphatase PTPRQ (PTPRQ) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for PTPRQ elisa kit	Description: This Human Phosphatidylinositol phosphatase PTPRQ (PTPRQ) ELISA Kit employs a two-site sandwich ELISA to quantitate PTPRQ in samples. An antibody specific for PTPRQ has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PTPRQ present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PTPRQ 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 PTPRQ bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: PTPRQ belongs to the type III receptor-like protein-tyrosine phosphatase (PTPase) family. PTPRQ has low activity against phosphotyrosine, but is active against phosphatidylinositol phosphates that are involved in regulation of survival, proliferation, and subcellular architecture. The genomic region containing nt 391..910 of this sequence are inverted in the human reference genome (build 37). This portion of the RefSeq is inferred based on alignments of rat and mouse transcripts, and is supported by the human Celera assembly. In developing kidney, it localizes to the basal membrane of podocytes, beginning when podocyte progenitors can first be identified in the embryonic kidney (at protein level). Expressed in lung and kidney.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	158563998
UniProt Accession #	Q9UMZ3
NCBI Official Full Name	Phosphatidylinositol phosphatase PTPRQ
UniProt Protein Name	Phosphatidylinositol phosphatase PTPRQ
UniProt Gene Name	PTPRQ
UniProt Synonym Gene Names	PTP-RQ; R-PTP-Q

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/phosphatidylinositol-phosphatase-ptprq-ptprq/331229>