

Human protein tyrosine phosphatase, receptor-type, Z polypeptide 1 ELISA Kit | PTPRZ1 elisa kit

Human Receptor-type tyrosine-protein phosphatase zeta, PTPRZ1 ELISA Kit

CATALOG #
AAA112637

REACTIVITY
Human

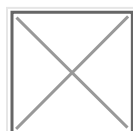
PRODUCT SYNONYMS

protein tyrosine phosphatase; receptor-type; Z polypeptide 1; Human Receptor-type tyrosine-protein phosphatase zeta; PTPRZ1 ELISA Kit; Human Receptor-type tyrosine-protein phosphatase zeta (PTPRZ1) ELISA kit; HPTPZ; HPTPzeta; PTP-ZETA; PTP18; PTPRZ; PTPZ; RPTPB; RPTPbeta; phosphacan; zeta polypeptide 1; zeta1; recepto; PTPRZ1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human PTPRZ1. No significant cross-reactivity or interference between human PTPRZ1 and analogues was observed.
Sequence Length	1455
Samples	Serum, plasma, tissue homogenates
Assay Type	Quantitative Sandwich
Detection Range	93.75 pg/ml-6000 pg/ml
Sensitivity	<23.43 pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PTPRZ1 elisa kit

Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for PTPRZ1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PTPRZ1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PTPRZ1 is added to the wells. After washing, avidin 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 PTPRZ1 bound in the initial step. The color development is stopped and the intensity of the color is measured.

NCBI AND UNIPROT INFORMATION

NCBI GI #	332205943
NCBI GeneID	5803
NCBI Accession #	NP_001193767.1
NCBI GenBank Nucleotide #	NM_001206838.1
UniProt Accession #	P23471; O76043; Q9UDR6; A4D0W5; C9JFM0
Molecular Weight	254,587 Da
NCBI Official Full Name	receptor-type tyrosine-protein phosphatase zeta isoform 2
NCBI Official Synonym Full Names	protein tyrosine phosphatase, receptor-type, Z polypeptide 1
NCBI Official Symbol	PTPRZ1
NCBI Official Synonym Symbols	PTPZ; HPTPZ; PTP18; PTPRZ; RPTPB; HPTPzeta; PTP-ZETA; RPTPbeta; phosphacan; R-PTP-zeta-2
NCBI Protein Information	receptor-type tyrosine-protein phosphatase zeta; receptor-type tyrosine phosphatase beta/zeta; protein-tyrosine phosphatase receptor type Z polypeptide 2; protein tyrosine phosphatase, receptor-type, zeta polypeptide 1
UniProt Protein Name	Receptor-type tyrosine-protein phosphatase zeta
UniProt Gene Name	PTPRZ1
UniProt Synonym Gene Names	HTPZP2; PTPRZ; PTPRZ2; PTPZ; R-PTP-zeta
UniProt Entry Name	PTPRZ_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/ptprz1-human-elisa-kits/protein-tyrosine-phosphatase-receptor-type-z-polypeptide-1/112637>