

Rat Protein tyrosine phosphatase type IVA 2 (PTP4A2) ELISA Kit

Catalog No: #EK7975

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Package Size: #EK7975-1 48T #EK7975-2 96T

Description

Product Name	Rat Protein tyrosine phosphatase type IVA 2 (PTP4A2) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Rat (<i>Rattus norvegicus</i>)
Other Names	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
Accession No.	Q6P9X4
Uniprot	Q6P9X4
GeneID	85237;
Storage	<p>The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.</p> <p>The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).</p>

Application Details

Detect Range:Request Information

Sensitivity:Request Information

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:SandwichTest principle:This assay 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 anyPTP4A2 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.**Product Overview:**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.

Note: This product is for in vitro research use only