

Human Protein-Tyrosine Kinase 2-beta (PTK2B) ELISA Kit | PTK2B elisa kit

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CATALOG #
AAA331243

REACTIVITY
Human

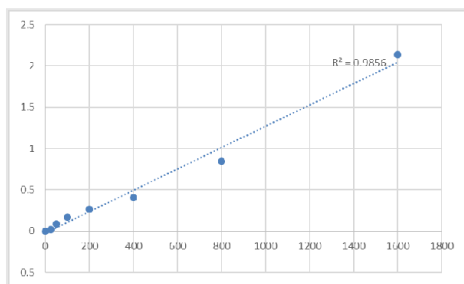
PRODUCT SYNONYMS

Protein-Tyrosine Kinase 2-beta (PTK2B); Human Protein-Tyrosine Kinase 2-beta (PTK2B) ELISA Kit; PTK2B; CADTK; CAKB; FADK2; FAK2; PKB; PTK; PYK2; RAFTK; CAK beta; calcium-dependent tyrosine kinase; cell adhesion kinase beta; focal adhesion kinase 2; proline-rich tyrosine kinase 2; protein kinase B; protein; PTK2B elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Protein-tyrosine kinase 2-beta (PTK2B) ELISA Kit has high sensitivity and excellent specificity for detection of Human PTK2B. No significant cross-reactivity or interference between Human PTK2B and analogues was observed.
Sequence Length	1009
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 kinase 2-beta (PTK2B) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for PTK2B elisa kit	Description: This Human Protein-tyrosine kinase 2-beta (PTK2B) ELISA Kit employs a two-site sandwich ELISA to quantitate PTK2B in samples. An antibody specific for PTK2B has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PTK2B present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PTK2B 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 PTK2B bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Protein tyrosine kinase 2 beta is a cytoplasmic protein tyrosine kinase which is involved in calcium-induced regulation of ion channels and activation of the map kinase signaling pathway. The encoded protein may represent an important signaling intermediate between neuropeptide-activated receptors or neurotransmitters that increase calcium flux and the downstream signals that regulate neuronal activity. The encoded protein undergoes rapid tyrosine phosphorylation and activation in response to increases in the intracellular calcium concentration, nicotinic acetylcholine receptor activation, membrane depolarization, or protein kinase C activation. This protein has been shown to bind CRK-associated substrate, nephrocystin, GTPase regulator associated with FAK, and the SH2 domain of GRB2.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	27886584
NCBI GeneID	2185
NCBI Accession #	NP_004094.3
NCBI GenBank Nucleotide #	NP_004094.3
UniProt Accession #	Q14289
NCBI Official Full Name	protein-tyrosine kinase 2-beta isoform a
NCBI Official Synonym Full Names	protein tyrosine kinase 2 beta
NCBI Official Symbol	PTK2B
NCBI Official Synonym Symbols	PKB; PTK; CAKB; FAK2; PYK2; CADTK; FADK2; RAFTK
NCBI Protein Information	protein-tyrosine kinase 2-beta
UniProt Protein Name	Protein-tyrosine kinase 2-beta
UniProt Gene Name	PTK2B
UniProt Synonym Gene Names	FAK2; PYK2; RAFTK; CADTK; CAK-beta; CAKB; FADK 2; RAFTK
UniProt Entry Name	FAK2_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.