

Human Protein-Tyrosine Kinase 6 (PTK6) ELISA Kit | PTK6 elisa kit

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CATALOG #
AAA331242

REACTIVITY
Human

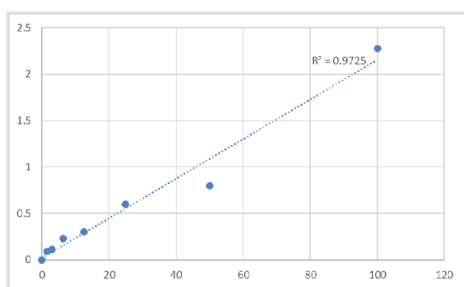
PRODUCT SYNONYMS

Protein-Tyrosine Kinase 6 (PTK6); Human Protein-Tyrosine Kinase 6 (PTK6) ELISA Kit; PTK6; BRK; FLJ42088; breast tumor kinase; protein-tyrosine kinase BRK; PTK6 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Protein-tyrosine kinase 6 (PTK6) ELISA Kit has high sensitivity and excellent specificity for detection of Human PTK6. No significant cross-reactivity or interference between Human PTK6 and analogues was observed.
Sequence Length	134
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 6 (PTK6) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for PTK6 elisa kit	Description: This Human Protein-tyrosine kinase 6 (PTK6) ELISA Kit employs a two-site sandwich ELISA to quantitate PTK6 in samples. An antibody specific for PTK6 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PTK6 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PTK6 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 PTK6 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Tyrosine-protein kinase 6 is a cytoplasmic nonreceptor protein kinase which may function as an intracellular signal transducer in epithelial tissues. Overexpression of this gene in mammary epithelial cells leads to sensitization of the cells to epidermal growth factor and results in a partially transformed phenotype. Expression of this gene has been detected at low levels in some breast tumors but not in normal breast tissue. The encoded protein has been shown to undergo autophosphorylation. The deduced 451-amino acid polypeptide sequence was composed of 3 domains: an SH3 domain, an SH2 domain, and a catalytic domain. The sequence of BRK, unlike that of SRC, does not include an N-terminal myristoylation domain.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	373432692
NCBI GeneID	5753
NCBI Accession #	NP_001243287.1
NCBI GenBank Nucleotide #	NP_001243287.1
UniProt Accession #	Q13882
NCBI Official Full Name	protein-tyrosine kinase 6 isoform 2
NCBI Official Synonym Full Names	protein tyrosine kinase 6
NCBI Official Symbol	PTK6
NCBI Official Synonym Symbols	BRK
NCBI Protein Information	protein-tyrosine kinase 6
UniProt Protein Name	Protein-tyrosine kinase 6
UniProt Gene Name	PTK6
UniProt Synonym Gene Names	BRK
UniProt Entry Name	PTK6_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://www.aaabiotech.com/human-elisa-kits/protein-tyrosine-kinase-6-ptk6/331242>