

Rat Activated CDC42 Kinase 1 (TNK2) ELISA Kit | TNK2 elisa kit

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CATALOG #
AAA330196

REACTIVITY
Rat

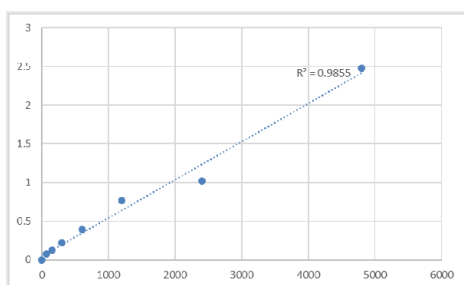
PRODUCT SYNONYMS

Activated CDC42 Kinase 1 (TNK2); Rat Activated CDC42 Kinase 1 (TNK2) ELISA Kit; TNK2; ACK; ACK1; FLJ44758; FLJ45547; p21cdc42Hs; activated Cdc42-associated kinase 1; activated p21cdc42Hs kinase; TNK2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	Rat Activated CDC42 kinase 1 (TNK2) ELISA Kit has high sensitivity and excellent specificity for detection of Rat TNK2. No significant cross-reactivity or interference between Rat TNK2 and analogues was observed.
Sequence Length	1040
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. Rat Activated CDC42 kinase 1 (TNK2) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for TNK2 elisa kit	Description: This Rat Activated CDC42 kinase 1 (TNK2) ELISA Kit employs a two-site sandwich ELISA to quantitate TNK2 in samples. An antibody specific for TNK2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TNK2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TNK2 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 TNK2 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Activated CDC42 kinase 1 is a tyrosine kinase that binds Cdc42Hs in its GTP-bound form and inhibits both the intrinsic and GTPase-activating protein (GAP)-stimulated GTPase activity of Cdc42Hs. This binding is mediated by a unique sequence of 47 amino acids C-terminal to an SH3 domain. The protein may be involved in a regulatory mechanism that sustains the GTP-bound active form of Cdc42Hs and which is directly linked to a tyrosine phosphorylation signal transduction pathway. Several alternatively spliced transcript variants have been identified from this gene, but the full-length nature of only two transcript variants has been determined.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	56605750
NCBI GeneID	303882
NCBI Accession #	NP_001008337.1
NCBI GenBank Nucleotide #	NP_001008337.1
UniProt Accession #	Q5U2X5
NCBI Official Full Name	activated CDC42 kinase 1
NCBI Official Synonym Full Names	tyrosine kinase, non-receptor, 2
NCBI Official Symbol	Tnk2
NCBI Protein Information	activated CDC42 kinase 1
UniProt Protein Name	Activated CDC42 kinase 1
UniProt Gene Name	Tnk2
UniProt Synonym Gene Names	ACK-1

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.