

Mouse TRAF2 And NCK-Interacting Protein Kinase (TNIK) ELISA Kit | TNIK elisa kit

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CATALOG # AAA332125	REACTIVITY Mouse
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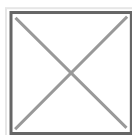
PRODUCT SYNONYMS

TRAF2 And NCK-Interacting Protein Kinase (TNIK); Mouse TRAF2 And NCK-Interacting Protein Kinase (TNIK) ELISA Kit; TNIK elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Mouse TRAF2 and NCK-interacting protein kinase (TNIK) ELISA Kit has high sensitivity and excellent specificity for detection of Mouse TNIK. No significant cross-reactivity or interference between Mouse TNIK and analogues was observed.
Sequence Length	1323
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. Mouse TRAF2 and NCK-interacting protein kinase (TNIK) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for TNIK elisa kit	Description: This Mouse TRAF2 and NCK-interacting protein kinase (TNIK) ELISA Kit employs a two-site sandwich ELISA to quantitate TNIK in samples. An antibody specific for TNIK has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TNIK present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TNIK 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 TNIK bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: TNIK was autophosphorylated in a manner dependent upon lys54 in the ATP-binding pocket of its kinase domain. Immunoprecipitation analysis showed that epitope-tagged TNIK coprecipitated endogenous TRAF2 from human embryonic kidney cells. Mutation analysis revealed that the intermediate domain was sufficient for the interaction, although the GCK domain may contribute. The intermediate domain was also sufficient for interaction with NCK. Cotransfection of TNIK with JNK2 (MAPK9) enhanced JNK2 kinase activity in a dose-dependent manner, and this effect was mediated by the GCK region of TNIK, but not the kinase domain. TNIK overexpression had no effect on ERK1 (MAPK3), p38 (MAPK14), or NF-kappa-B.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	244792613
NCBI GeneID	665113
NCBI Accession #	NP_001156480.1
NCBI GenBank Nucleotide #	NP_001156480.1
UniProt Accession #	P83510
NCBI Official Full Name	traf2 and NCK-interacting protein kinase isoform 3
NCBI Official Synonym Full Names	TRAF2 and NCK interacting kinase
NCBI Official Symbol	Tnik
NCBI Official Synonym Symbols	A1451411; 1500031A17Rik; 4831440I19Rik; C530008O15Rik; C630040K21Rik
NCBI Protein Information	traf2 and NCK-interacting protein kinase
UniProt Protein Name	Traf2 and NCK-interacting protein kinase
UniProt Gene Name	Tnik
UniProt Synonym Gene Names	Kiaa0551
UniProt Entry Name	TNIK_MOUSE

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/mouse-elisa-kits/traf2-and-nck-interacting-protein-kinase-tnik/332125>