

Mouse thioredoxin interacting protein ELISA Kit | TXNIP elisa kit

Mouse Thioredoxin-interacting protein, TXNIP ELISA Kit

CATALOG #
AAA112988

REACTIVITY
Mouse

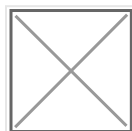
PRODUCT SYNONYMS

thioredoxin interacting protein; Mouse Thioredoxin-interacting protein; TXNIP ELISA Kit; Mouse Thioredoxin-interacting protein (TXNIP) ELISA kit; EST01027; HHCPA78; THIF; VDUP1; thioredoxin binding protein 2; upregulated by 1; 25-dihydroxyvitamin D-3; TXNIP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of mouse TXNIP. No significant cross-reactivity or interference between mouse TXNIP and analogues was observed.
Sequence Length	397
Samples	Serum, plasma, tissue homogenates, Cell lysates
Assay Type	Sandwich
Detection Range	28 pg/ml -1800 pg/ml.
Sensitivity	The minimum detectable dose of mouse TXNIP is typically less than 7 pg/ml. The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest protein concentration that could be differentiated from zero. It was determined the mean O.D value of 20 replicates of the zero standard added by their three standard deviations.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TXNIP elisa kit

Principle of the assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for TXNIP has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TXNIP present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TXNIP is added to the wells. After washing, avidin 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 TXNIP bound in the initial step. The color development is stopped and the intensity of the color is measured.

NCBI AND UNIPROT INFORMATION

NCBI GI #	60687518
NCBI GeneID	56338
NCBI Accession #	NP_001009935.1
NCBI GenBank Nucleotide #	NM_001009935.2
UniProt Accession #	Q8BG60; Q8BGQ0; Q8K2B2; Q9DC00; Q9EP90; Q9R115
Molecular Weight	44,363 Da
NCBI Official Full Name	thioredoxin-interacting protein isoform 1
NCBI Official Synonym Full Names	thioredoxin interacting protein
NCBI Official Symbol	Txnip
NCBI Official Synonym Symbols	THIF; Tbp-2; VDUP1; Hyplip1; AA682105; 1200008J08Rik
NCBI Protein Information	thioredoxin-interacting protein; hyperlipidemia 1; thioredoxin binding protein-2; vitamin D3 up-regulated protein 1; upregulated by 1,25-dihydroxyvitamin D-3
UniProt Protein Name	Thioredoxin-interacting protein
UniProt Gene Name	Txnip
UniProt Synonym Gene Names	Vdup1
UniProt Entry Name	TXNIP_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/txnip-mouse-elisa-kits/thioredoxin-interacting-protein/112988>