

Mouse Thioredoxin-Interacting Protein (TXNIP) ELISA Kit | TXNIP elisa kit

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CATALOG # AAA31514	REACTIVITY Mouse
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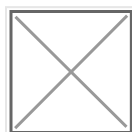
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Mouse Thioredoxin-interacting protein (TXNIP) ELISA Kit 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
Assay Type	Sandwich
Samples	Mouse serum, cell culture supernates and other biological fluids
Detection Range	15 pg/ml - 240 pg/ml
Sensitivity	< 1pg/ml
Intra-assay Precision	Four samples of known concentration were tested twenty times on one plate to assess intra-assay precision. The CV (%)?9%.
Inter-assay Precision	Three samples of known concentration were tested in twenty separate assays to assess inter-assay precision. Assays were performed by at least three technicians using two lots of components. The CV (%)?11%.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TXNIP elisa kit	Background: Exposure to vitamin D3 (1,25-dihydroxyvitamin D3) or phorbol ester induces the bipotent HL-60 cell promyelocytic leukemia cell line to differentiate into monocytes/macrophages, whereas retinoic acid and dimethylsulfoxide induce differentiation towards granulocytes. The differentiation is accompanied by regulation of MYC, FOS, FMS (CSF1R), and myeloblastin (PRTN3;). By differential screening of HL60 cell lines, Chen and DeLuca (1994) identified a cDNA encoding TXNIP, which they termed VDUP1. The deduced TXNIP protein has 391 amino acids. Ribonuclease protection analysis showed dramatically increased expression of TXNIP in response to vitamin D3 but not to phorbol ester. Chen and DeLuca (1994) concluded that TXNIP is not involved in the differentiation process. Principle of the Assay: Mouse Thioredoxin-interacting protein (TXNIP) ELISA Kit employs a two-site sandwich ELISA to quantitate TXNIP in samples. An 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, HRP-Conjugated Mouse TXNIP detection antibody is added to the wells. Following a wash to remove any unbound HRP reagent, a Chromogen 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	60687518
NCBI GeneID	56338
NCBI Accession #	NP_001009935.1
NCBI GenBank Nucleotide #	NP_001009935.1
UniProt Accession #	Q8BG60
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
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/mouse-elisa-kits/thioredoxin-interacting-protein-txnip/31514>