

Human thioredoxin interacting protein ELISA Kit | TXNIP elisa kit

Human Thioredoxin-interacting protein, TXNIP ELISA Kit

CATALOG #
AAA18068

REACTIVITY
Human

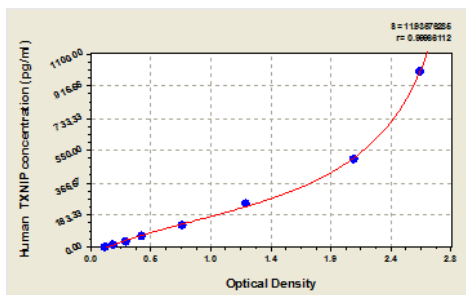
PRODUCT SYNONYMS

thioredoxin interacting protein; Human Thioredoxin-interacting protein; TXNIP ELISA Kit; Human 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	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human TXNIP. No significant cross-reactivity or interference between human TXNIP and analogues was observed.
Sequence Length	391
Samples	Serum, plasma, tissue homogenates
Assay Type	Quantitative Sandwich
Detection Range	15.6 pg/ml-1000 pg/ml
Sensitivity	< 3.9 pg/ml
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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	171184421
NCBI GeneID	10628
NCBI Accession #	NP_006463.3
NCBI GenBank Nucleotide #	NM_006472.4
UniProt Accession #	Q9H3M7; Q16226; Q6PML0; Q9BXG9; B4E3D3
Molecular Weight	43,661 Da
NCBI Official Full Name	thioredoxin-interacting protein
NCBI Official Synonym Full Names	thioredoxin interacting protein
NCBI Official Symbol	TXNIP
NCBI Official Synonym Symbols	THIF; VDUP1; HHCPA78; EST01027
NCBI Protein Information	thioredoxin-interacting protein; thioredoxin binding protein 2; 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_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://stage.aaabiotech.com/txnip-human-elisa-kits/thioredoxin-interacting-protein/18068>