

Human Thioredoxin-interacting protein ELISA Kit | TXNIP elisa kit

Human Thioredoxin-interacting protein ELISA Kit

CATALOG #
AAA97856

REACTIVITY
Human

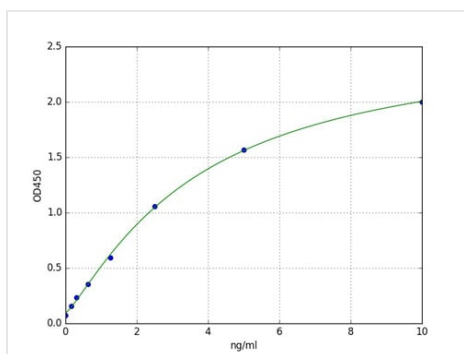
PRODUCT SYNONYMS

Thioredoxin-interacting protein; Human Thioredoxin-interacting protein ELISA Kit; Human TBP2 (Thioredoxin Binding Protein 2)/TXNIP/Thioredoxin-interacting protein/Thioredoxin binding protein 2/VDUP1/Vitamin D3 up-regulated protein 1; TXNIP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	336
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve

Results of a typical standard run of a Human TXNIP ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	ng/ml	0	0.156	0.313	0.625	1.25	2.5	5	10
Y	OD450	0.041	0.212	0.350	0.594	0.971	1.336	1.774	2.155

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TXNIP elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-Human TXNIP antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Human TXNIP antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRPStreptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Human TXNIP amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Human TXNIP can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	928192549
NCBI GeneID	10628
NCBI Accession #	NP_001300901.1
NCBI GenBank Nucleotide #	NM_001313972.1
Molecular Weight	37,319 Da
NCBI Official Full Name	thioredoxin-interacting protein isoform 2
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
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/97856>