

Human Thioredoxin Binding Protein 2 (TBP2) ELISA Kit | TBP2 elisa kit

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CATALOG #
AAA14022

REACTIVITY
Human

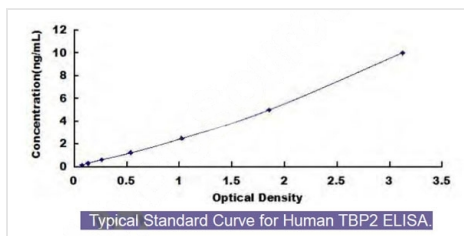
PRODUCT SYNONYMS

Thioredoxin Binding Protein 2 (TBP2); Human Thioredoxin Binding Protein 2 (TBP2) ELISA Kit; TXNIP; HHCPA78; THIF; VDUP1; Thioredoxin Interacting Protein; Vitamin D3-Upregulated Protein 1; Upregulated By 1; 25-Dihydroxyvitamin D-3; TBP2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of TBP2. No significant cross-reactivity or interference between TBP2 and analogues was observed.
Sequence Length	336
Assay Type	Quantitative Sandwich
Samples	Human tissue homogenates, cell lysates or other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.066ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level TBP2 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level TBP2 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TBP2 elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to TBP2. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to TBP2. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain TBP2, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of TBP2 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of TBP2 in human tissue homogenates, cell lysates or other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	928192549
NCBI GeneID	10628
NCBI Accession #	NP_001300901.1
NCBI GenBank Nucleotide #	NM_001313972.1
UniProt Accession #	Q9H3M7; Q16226; Q6PML0; Q9BXG9; B4E3D3
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; ARRDC6; HHCPA78; EST01027
NCBI Protein Information	thioredoxin-interacting protein
UniProt Protein Name	Thioredoxin-interacting protein
UniProt Gene Name	TXNIP
UniProt Synonym Gene Names	VDUP1

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/human-elisa-kits/thioredoxin-binding-protein-2-tbp2/14022>