

Rabbit anti-Human TXNIP Polyclonal Antibody | anti-TXNIP antibody

Rabbit anti-TXNIP Antibody, Affinity Purified

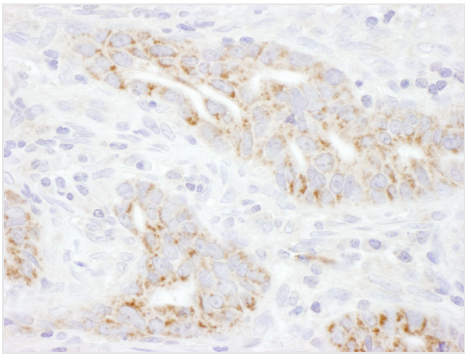
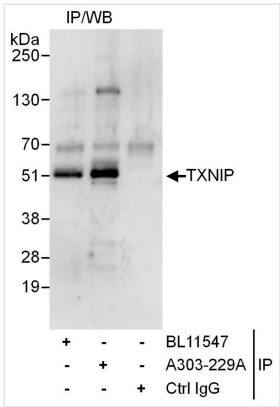
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA212142	Rabbit	Human	Immunohistochemistry, Immunoprecipitation

PRODUCT SYNONYMS

TXNIP; Polyclonal Antibody; Rabbit anti-TXNIP Antibody; Affinity Purified; thioredoxin-interacting protein; vitamin D3 up-regulated protein 1; upregulated by 1; 25-dihydroxyvitamin D-3; Thioredoxin-binding protein 2; THIF; ARRD6; HHCPA78; VDUP1; EST01027; thioredoxin binding protein 2; Thioredoxin-interacting protein; thioredoxin interacting protein; anti-TXNIP antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-TXNIP antibody	IHC (Immunohistochemistry), IP (Immunoprecipitation)
Predicted Reactivity	Rat
Immunogen	Between 341 and C-terminus
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt



IHC (Immunohistochemistry)
Detection of human TXNIP by immunohistochemistry. Sample: FFPE section of human colon carcinoma. Antibody: Affinity purified rabbit anti-TXNIP (Cat. No. AAA212142 Lot1) used at a dilution of 1:1,000 (1ug/ml). Detection: DAB

IP (Immunoprecipitation)
Detection of human TXNIP by western blot of immunoprecipitates. Samples: Whole cell lysate (1 mg for IP, 20% of IP loaded) from HeLa cells. Antibodies: Affinity purified rabbit anti-TXNIP antibody AAA212142 used for IP at 6 ug/mg lysate. TXNIP was also immunoprecipitated by rabbit anti-TXNIP antibody BL11547, which recognizes an upstream epitope. For blotting immunoprecipitated TXNIP, AAA212142 was used at 1 ug/ml. Detection: Chemiluminescence with an exposure time of 10 seconds.

ADDITIONAL INFORMATION

Related Product Information for anti-TXNIP antibody	Thioredoxin-interacting protein (TXNIP) may act as an oxidative stress mediator by inhibiting thioredoxin activity or by limiting its bioavailability. TXNIP interacts with COPS5 and restores COPS5-induced suppression of CDKN1B stability, blocking the COPS5-mediated translocation of CDKN1B from the nucleus to the cytoplasm. Also, TXNIP functions as a transcriptional repressor, possibly by acting as a bridge molecule between transcription factors and corepressor complexes, and over-expression will induce G0/G1 cell cycle arrest [taken from the Universal Protein Resource (UniProt) www.uniprot.org/uniprot/Q9H3M7].
Product Categories/Family for anti-TXNIP antibody	Primary Antibodies

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

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/polyclonal/txnip-antibody-immunohistochemistry-immunoprecipitation-elisa/212142>