

TXNIP Antibody
Rabbit mAb
Catalog # AP91646

Specification

TXNIP Antibody - Product Information

Application	WB, IHC, FC, ICC
Primary Accession	O9H3M7
Reactivity	Rat
Clonality	Monoclonal
Other Names	
HHCPA78; THIF; TXNIP; VDUP1;	
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	43661 Da

TXNIP Antibody - Additional Information

Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human TXNIP
Description	May act as an oxidative stress mediator by inhibiting thioredoxin activity or by limiting its bioavailability. Interacts with COPS5 and restores COPS5-induced suppression of CDKN1B stability, blocking the COPS5-mediated translocation of CDKN1B from the nucleus to the cytoplasm.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

TXNIP Antibody - Protein Information

Name TXNIP

Synonyms VDUP1

Function

May act as an oxidative stress mediator by inhibiting thioredoxin activity or by limiting its bioavailability (PubMed: [17603038](http://www.uniprot.org/citations/17603038)). Interacts with COPS5 and restores COPS5-induced suppression of CDKN1B stability, blocking the COPS5-mediated translocation of CDKN1B from the nucleus to the cytoplasm (By similarity). 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 (PubMed:12821938). Required for the maturation of natural killer cells (By similarity). Acts as a suppressor of tumor cell growth (PubMed:18541147). Inhibits the proteasomal degradation of DDIT4, and thereby contributes to the inhibition of the mammalian target of rapamycin complex 1 (mTORC1) (PubMed:21460850).

Cellular Location

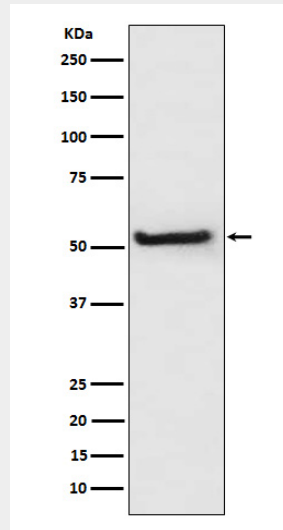
Cytoplasm {ECO:0000250|UniProtKB:Q8BG60}.

TXNIP Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

TXNIP Antibody - Images



Western blot analysis of TXNIP expression in BxPC-3 cell lysate.