10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

TXNIP Antibody
Rabbit mAb
Catalog # AP91646

Specification

TXNIP Antibody - Product Information

Application	**WB, IHC, FC, ICC**
Primary Accession	Q9H3M7
Reactivity	**Rat**
Clonality	**Monoclonal**
Other Names	
HHCPA78; THIF; TXNIP; VDUP1;	
Isotype	**Rabbit IgG**
Host	**Rabbit**
Calculated MW	**43661 Da**

TXNIP Antibody - Additional Information

Dilution	**WB~~1:1000 IHC~~1:100~500 FC~~1:10~50 ICC~~N/A**
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:<a href="http://www.uniprot.org/citations/17603038"

target="_blank">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).

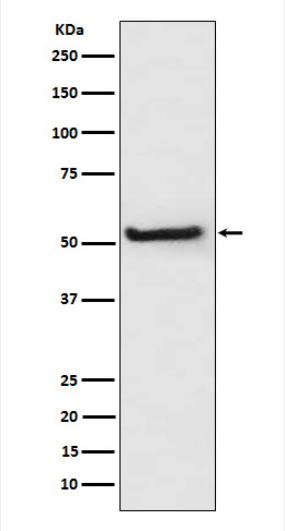
Cellular Location
Cytoplasm {ECO:0000250|UniProtKB:Q8BG60}.

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 Cytomety
- Cell Culture

TXNIP Antibody - Images



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