

TXNIP Antibody (Internal)
Rabbit Polyclonal Antibody
Catalog # ALS17113**Specification**

TXNIP Antibody (Internal) - Product Information

Application	IHC
Primary Accession	O9H3M7
Other Accession	10628
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	43661

TXNIP Antibody (Internal) - Additional Information**Gene ID** 10628**Other Names**

TXNIP, HHCPA78, THIF, VDUP1, Thioredoxin binding protein 2, Thioredoxin-binding protein 2, EST01027

Target/Specificity

TXNIP antibody is human, mouse and rat reactive.

Reconstitution & Storage

PBS, 0.02% sodium azide. Long term: -20°C; Short term: +4°C. Avoid repeat freeze-thaw cycles.

Precautions

TXNIP Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

TXNIP Antibody (Internal) - 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](http://www.uniprot.org/citations/12821938)). Required for the maturation of natural killer cells (By similarity). Acts as a suppressor of tumor cell growth (PubMed:)

[18541147](http://www.uniprot.org/citations/18541147)). Inhibits the proteasomal degradation of DDIT4, and thereby contributes to the inhibition of the mammalian target of rapamycin complex 1 (mTORC1) (PubMed:[21460850](http://www.uniprot.org/citations/21460850)).

Cellular Location

Cytoplasm {ECO:0000250|UniProtKB:Q8BG60}.

TXNIP Antibody (Internal) - 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 (Internal) - Images



Human Small Intestine: Formalin-Fixed, Paraffin-Embedded (FFPE)



Human Liver: Formalin-Fixed, Paraffin-Embedded (FFPE)

TXNIP Antibody (Internal) - Background

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. 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. Required for the maturation of natural killer cells. Acts as a suppressor of tumor cell growth. Inhibits the proteasomal degradation of DDIT4, and thereby contributes to the inhibition of the mammalian target of rapamycin complex 1 (mTORC1).

TXNIP Antibody (Internal) - References

- Chen K.-S.,et al.Biochim. Biophys. Acta 1219:26-32(1994).
Liyanage N.P.M.,et al.Exp. Eye Res. 85:270-279(2007).
Toyama S.,et al.Submitted (DEC-2000) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).
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