10320 Camino Santa Fe, Suite G
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Tel: 858.875.1900 Fax: 858.875.1999

TXNIP Antibody (Internal)

Rabbit Polyclonal Antibody

Catalog # ALS17113

Specification

TXNIP Antibody (Internal) - Product Information

Application	**IHC**
Primary Accession	Q9H3M7
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. 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).

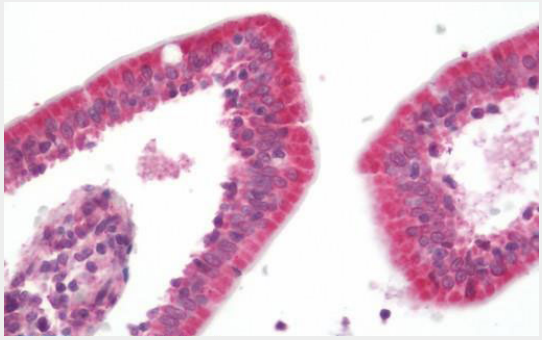
Cellular Location
Cytoplasm.

TXNIP Antibody (Internal) - Protocols

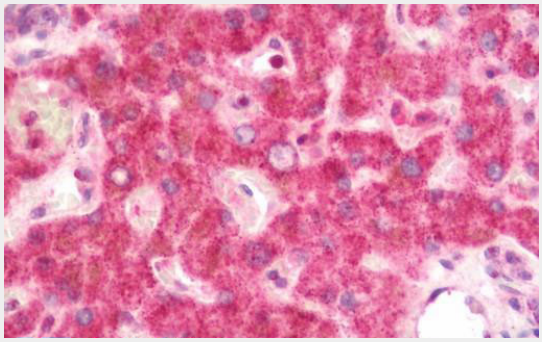
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- 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).

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TXNIP Antibody (Internal) - References

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Liyanage N.P.M.,et al.Exp. Eye Res. 85:270-279(2007).
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Ota T.,et al.Nat. Genet. 36:40-45(2004).
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