

TXNIP Blocking Peptide(N-term)
Synthetic peptide
Catalog # BP19855a**Specification**

TXNIP Blocking Peptide(N-term) - Product Information

Primary Accession [Q9H3M7](#)
Other Accession [Q5M7W1](#), [Q8BG60](#), [NP_006463.3](#)

TXNIP Blocking Peptide(N-term) - Additional Information

Gene ID 10628

Other Names

Thioredoxin-interacting protein, Thioredoxin-binding protein 2, Vitamin D3 up-regulated protein 1, TXNIP, VDUP1

Target/Specificity

The synthetic peptide sequence is selected from aa 14-27 of HUMAN TXNIP

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

TXNIP Blocking Peptide(N-term) - 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 Blocking Peptide(N-term) - Protocols

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

- [Blocking Peptides](#)

TXNIP Blocking Peptide(N-term) - Images

TXNIP Blocking Peptide(N-term) - Background

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TXNIP Blocking Peptide(N-term) - References

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