

Mouse Txnip Blocking Peptide (Center)
Synthetic peptide
Catalog # BP20130c**Specification**

Mouse Txnip Blocking Peptide (Center) - Product Information

Primary Accession [Q8BG60](#)
Other Accession [Q5M7W1](#), [NP_001009935.1](#)

Mouse Txnip Blocking Peptide (Center) - Additional Information

Gene ID 56338

Other Names

Thioredoxin-interacting protein, Vitamin D3 up-regulated protein 1, Txnip, Vdup1

Target/Specificity

The synthetic peptide sequence is selected from aa 131-145 of MOUSE 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.

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

Cellular Location

Cytoplasm.

Tissue Location

Ubiquitously expressed.

Mouse Txnip Blocking Peptide (Center) - Protocols

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

- [Blocking Peptides](#)

Mouse Txnip Blocking Peptide (Center) - Images**Mouse Txnip Blocking Peptide (Center) - Background**

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Mouse Txnip Blocking Peptide (Center) - References

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Ren, Y., et al. FEBS Lett. 584(15):3480-3485(2010)
Chutkow, W.A., et al. Diabetes 59(6):1424-1434(2010)
Shao, Y., et al. Immunol. Lett. 129(2):78-84(2010)