

# TXNIP Rabbit mAb

Catalog # AP76980

## Product Information

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<b>Application</b>	WB, IHC-P
<b>Primary Accession</b>	<a href="#">Q9H3M7</a>
<b>Reactivity</b>	Rat, Human, Mouse
<b>Host</b>	Rabbit
<b>Clonality</b>	Monoclonal Antibody
<b>Isotype</b>	IgG
<b>Conjugate</b>	Unconjugated
<b>Purification</b>	Affinity Chromatography
<b>Calculated MW</b>	43661

## Additional Information

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<b>Gene ID</b>	10628
<b>Other Names</b>	TXNIP
<b>Dilution</b>	WB~~1:1000 IHC-P~~N/A
<b>Format</b>	Liquid in 10mM PBS, pH 7.4, 150mM sodium chloride, 0.05% BSA, 0.02% sodium azide and 50% glycerol.
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

## Protein Information

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<b>Name</b>	TXNIP
<b>Synonyms</b>	VDUP1
<b>Function</b>	May act as an oxidative stress mediator by inhibiting thioredoxin activity or by limiting its bioavailability (PubMed: <a href="#">17603038</a> ). 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: <a href="#">12821938</a> ). Required for the maturation of natural killer cells (By similarity). Acts as a suppressor of tumor cell growth (PubMed: <a href="#">18541147</a> ). Inhibits the proteasomal degradation of DDIT4, and thereby contributes to the inhibition of the mammalian target of rapamycin complex 1 (mTORC1) (PubMed: <a href="#">21460850</a> ).

**Cellular Location**

Cytoplasm. Nucleus

**Background**

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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.

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