

# Thioredoxin Interacting Protein Rabbit mAb

Catalog # AP76980

## Product Information

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<b>Application</b>	WB, IHC-P, FC, ICC
<b>Primary Accession</b>	<a href="#">Q9H3M7</a>
<b>Reactivity</b>	Human, Mouse, Rat
<b>Host</b>	Rabbit
<b>Clonality</b>	Monoclonal Antibody
<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~~1/500-1/1000 IHC-P~~N/A FC~~1:10~50 ICC~~N/A
<b>Format</b>	10mM PBS, pH 7.4, 150mM sodium chloride, 0.05% BSA, 0.02% sodium azide and 50% glycerol.

## 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> ).
<b>Cellular Location</b>	Cytoplasm. Nucleus

## Images

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