

**Thioredoxin Interacting Protein Rabbit mAb**  
**Catalog # AP76980****Specification**

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**Thioredoxin Interacting Protein Rabbit mAb - Product Information**

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|-------------------|------------------------|
| Application       | WB, IHC-P, FC, ICC     |
| Primary Accession | <a href="#">Q9H3M7</a> |
| Reactivity        | Human, Mouse, Rat      |
| Host              | Rabbit                 |
| Clonality         | Monoclonal Antibody    |
| Calculated MW     | 43661                  |

**Thioredoxin Interacting Protein Rabbit mAb - Additional Information****Gene ID** 10628**Other Names**  
TXNIP**Dilution**  
WB~~1:1000  
IHC-P~~N/A  
FC~~1:10~50  
ICC~~N/A**Format**  
10mM PBS, pH 7.4, 150mM sodium chloride, 0.05% BSA, 0.02% sodium azide and 50% glycerol.**Storage**  
Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.**Thioredoxin Interacting Protein Rabbit mAb - Protein Information****Name** TXNIP**Synonyms** VDUP1**Function**  
May act as an oxidative stress mediator by inhibiting thioredoxin activity or by limiting its bioavailability (PubMed:<a href="http://www.uniprot.org/citations/17603038" target="\_blank">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="http://www.uniprot.org/citations/12821938" target="\_blank">12821938</a>). Required for the maturation of natural killer cells (By similarity). Acts as a suppressor of tumor cell growth (PubMed:<a href="http://www.uniprot.org/citations/18541147" target="\_blank">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="http://www.uniprot.org/citations/21460850" target="\_blank">21460850</a>).

**Cellular Location**

Cytoplasm. Nucleus

**Thioredoxin Interacting Protein Rabbit mAb - Protocols**

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Thioredoxin Interacting Protein Rabbit mAb - Images**