

## Product datasheet for **TA357518**

### TXNIP Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human TXNIP
Specificity:	<b>Expected reactivity:</b> Cow, Dog, Guinea Pig, Human, Mouse, Rabbit, Rat <b>Homology:</b> Cow: 100%; Dog: 100%; Guinea Pig: 93%; Human: 100%; Mouse: 93%; Rabbit: 93%; Rat: 93%
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Concentration:	lot specific
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	44kDa
Gene Name:	thioredoxin interacting protein
Database Link:	<a href="#">NP_006463</a> <a href="#">Entrez Gene 10628 Human</a> <a href="#">Q9H3M7</a>



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**Background:**

TXNIP may act as an oxidative stress mediator by inhibiting thioredoxin activity or by limiting its bioavailability. It interacts with COPS5 and restores COPS5-induced suppression of CDKN1B stability, blocking the COPS5-mediated translocation of CDKN1B from the nucleus to the cytoplasm. It 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. It is required for the maturation of natural killer cells.

**Synonyms:**

EST01027; HHCPA78; THIF; VDUP1

**Protein Families:**

Druggable Genome

**Product images:**

WB Suggested Anti-TXNIP Antibody Titration: 0.2-1 ug/ml  
ELISA Titer: 1:312500  
Positive Control: Human Lung