# antibodies - online.com







# anti-TXNIP antibody (AA 101-200)



**Publications** 



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Quantity:	100 μL
Target:	TXNIP
Binding Specificity:	AA 101-200
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TXNIP antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS), Immunofluorescence (Cultured Cells) (IF
	(cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry
	(Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

## **Product Details**

Immunogen:	KLH conjugated synthetic peptide derived from human TXNIP
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Dog,Pig,Rabbit
Purification:	Purified by Protein A.

# **Target Details**

Target: **TXNIP** 

# Target Details

Alternative Name:	TXNIP (TXNIP Products)
Background:	Synonyms: THIF, VDUP1, HHCPA78, EST01027, Thioredoxin-interacting protein, Thioredoxin-
	binding protein 2, Vitamin D3 up-regulated protein 1, TXNIP
	Background: 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. Functions as a transcriptional repressor, possibly by acting as a bridge molecul
	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. Inhibits the proteasomal degradation of DDIT4, and thereby contributes to
	the inhibition of the mammalian target of rapamycin complex 1 (mTORC1).
Gene ID:	10628
UniProt:	Q9H3M7
Pathways:	Protein targeting to Nucleus, Platelet-derived growth Factor Receptor Signaling, Inflammasome
Application Details	
Application Notes:	WB 1:300-5000
	ELISA 1:500-1000
	FCM 1:20-100
	IHC-P 1:200-400
	IHC-F 1:100-500
	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 μg/μL
Buffer:	0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be

## Handling

	handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

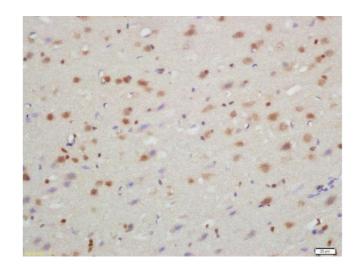
### **Publications**

Product cited in:

Liu, Sun, Wang, Zhang, Zhao, Zhao: "Silymarin attenuated paraquat-induced cytotoxicity in macrophage by regulating Trx/TXNIP complex, inhibiting NLRP3 inflammasome activation and apoptosis." in: **Toxicology in vitro: an international journal published in association with BIBRA**, Vol. 46, pp. 265-272, (2017) (PubMed).

Li, Shen, Sun, Li, Sun, Liu, Zhang, Huang, Meng, Li: "MicroRNA-20a negatively regulates expression of NLRP3-inflammasome by targeting TXNIP in adjuvant-induced arthritis fibroblast-like synoviocytes." in: **Joint, bone, spine : revue du rhumatisme**, Vol. 83, Issue 6, pp. 695-700, (2016) (PubMed).

# **Images**



### **Immunohistochemistry (Paraffin-embedded Sections)**

**Image 1.** Formalin-fixed and paraffin embedded rat brain labeled with Rabbit Anti-TXNIP Polyclonal Antibody, Unconjugated at 1:200 followed by conjugation to the secondary antibody and DAB staining