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Datasheet for ABIN7172027 anti-TXNIP antibody (AA 299-381)

Image



Overview

Quantity:	100 µg
Target:	TXNIP
Binding Specificity:	AA 299-381
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TXNIP antibody is un-conjugated
Application:	ELISA, Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human Thioredoxin-interacting protein (299-381AA)
Isotype:	lgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	TXNIP
Alternative Name:	TXNIP (TXNIP Products)
Background:	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

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	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 molecule
	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).
	Aliases: EST01027 antibody, HHCPA78 antibody, THIF antibody, Thioredoxin binding protein 2
	antibody, Thioredoxin interacting protein antibody, Thioredoxin-binding protein 2 antibody,
	Thioredoxin-interacting protein antibody, TXNIP antibody, TXNIP_HUMAN antibody,
	Upregulated by 1,25 dihydroxyvitamin D 3 antibody, VDUP1 antibody, Vitamin D3 up-regulated
	protein 1 antibody
UniProt:	Q9H3M7
Pathways:	Protein targeting to Nucleus, Platelet-derived growth Factor Receptor Signaling, Inflammasome

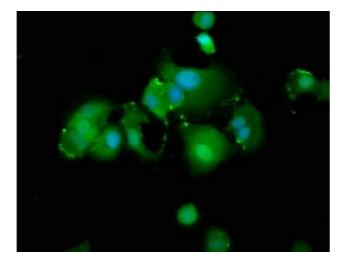
Application Details

Application Notes:	Recommended dilution: IF:1:50-1:200,
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Preservative: 0.03 % Proclin 300 Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

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Immunofluorescence

Image 1. Immunofluorescence staining of MCF-7 cells with ABIN7172027 at 1:166, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-congugated AffiniPure Goat Anti-Rabbit IgG(H+L).

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