

TXNIP Antibody

Catalog No: #40274

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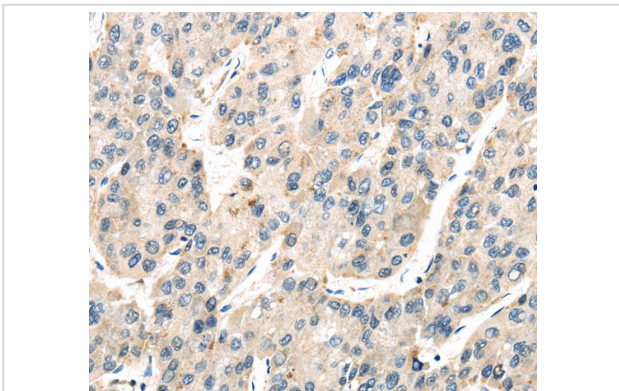
Description

Product Name	TXNIP Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification.
Applications	IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total TXNIP protein.
Immunogen Type	Peptide
Immunogen Description	Synthetic peptide of human thioredoxin interacting protein
Target Name	TXNIP
Other Names	THIF; VDUP1; HHCPA78; EST01027
Accession No.	Swiss-Prot:Q9H3M7 Gene Accssion:NP_006463
Uniprot	Q9H3M7
GeneID	10628;
Concentration	3.2mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol.
Storage	Store at -20°C

Application Details

Immunohistochemistry:1:30-1:150

Images



Immunohistochemical analysis of paraffin-embedded Human liver cancer tissue using #40274 at dilution 1/50.

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 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).

Note: This product is for in vitro research use only