

## TXNIP Antibody

Catalog No: #40274



Package Size: #40274-1 50ul #40274-2 100ul

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

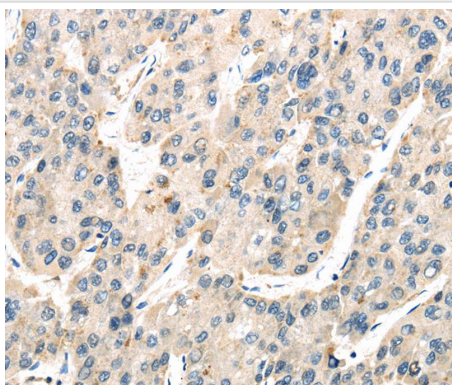
## Description

|                       |                                                                 |
|-----------------------|-----------------------------------------------------------------|
| 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                       |
| Concentration         | 3.2mg/ml                                                        |
| Formulation           | Rabbit IgG in pH7.4 PBS, 0.05% NaN <sub>3</sub> , 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).

## Published Papers

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el et al., Fenofibrate suppressed proliferation and migration of human neuroblastoma cells via oxidative stress dependent of TXNIP upregulation. In Biochem Biophys Res Commun

on 2015 May 15 by Cunjin Su, Aiming Shi et al..PMID:25839662, , (2015)

[PMID:25839662](#)

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Note: This product is for in vitro research use only and is not intended for use in humans or animals.