

# TXNIP Rabbit Polyclonal Antibody

Catalog No: #29687



Package Size: #29687-1 50ul #29687-2 100ul

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

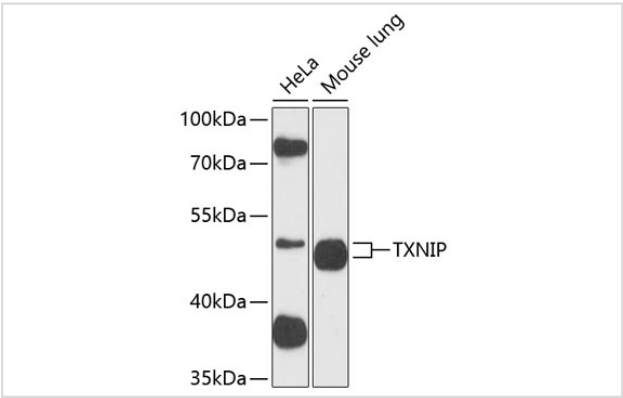
## Description

Product Name	TXNIP Rabbit Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IF
Species Reactivity	Human;Mouse;Rat
Immunogen Description	Recombinant fusion protein of human TXNIP (NP_006463.3).
Conjugates	Unconjugated
Other Names	TXNIP;ARRDC6;EST01027;HHCPA78;THIF;VDUP1
Accession No.	Swiss Prot:Q9H3M7GeneID:10628
Calculated MW	37kDa/43kDa
SDS-PAGE MW	45kDa
Formulation	Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

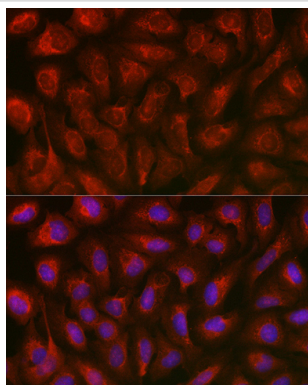
## Application Details

WB 1:200 - 1:2000

## Images



Western blot analysis of extracts of various cell lines, using TXNIP at 1:3000 dilution.



Immunofluorescence analysis of U2OS cells using TXNIP antibody at dilution of 1:100. Blue: DAPI for nuclear staining.

## Background

This gene encodes a thioredoxin-binding protein that is a member of the alpha arrestin protein family. Thioredoxin is a thiol-oxidoreductase that is a major regulator of cellular redox signaling which protects cells from oxidative stress. This protein inhibits the antioxidative function of thioredoxin resulting in the accumulation of reactive oxygen species and cellular stress. This protein also functions as a regulator of cellular metabolism and of endoplasmic reticulum (ER) stress. This protein may also function as a tumor suppressor. Alternate splicing results in multiple transcript variants.

## Published Papers

el at., Mechanism of mitigating effect of wheat germ peptides on lead-induced oxidative damage in PC12 cells. In *Ecotoxicol Environ Saf* on 2022 Nov by Ning Li, Liuding Wen, et al..PMID: 36252511, , (2022)

[PMID:36252511](#)

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