

TXNIP Rabbit pAb

Catalog No.: A9342 **16 Publications**

Basic Information

Observed MW

55 kDa

Calculated MW

44 kDa

Category

Primary antibody

Applications

WB,IF/ICC,IP,ELISA

Cross-Reactivity

Human, Mouse, Rat

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.

Recommended Dilutions

WB 1:1000 - 1:5000**IF/ICC** 1:50 - 1:200**IP** 0.5 µg - 4 µg antibody for
400 µg - 600 µg extracts
of whole cells**ELISA** Recommended starting
concentration is 1 µg/mL.
Please optimize the
concentration based on
your specific assay
requirements.

Contact

 | 400-999-6126 | cn.market@abclonal.com.cn | www.abclonal.com.cn

Immunogen Information

Gene ID

10628

Swiss Prot

Q9H3M7

Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms

THIF; VDUP1; ARRD6; HHCPA78; EST01027; TXNIP

Product Information

Source

Rabbit

Isotype

IgG

Purification

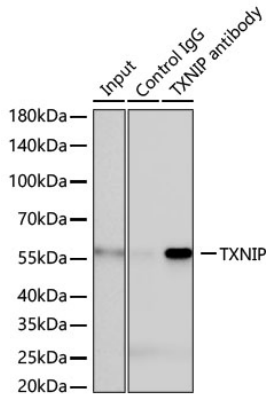
Affinity purification

Storage

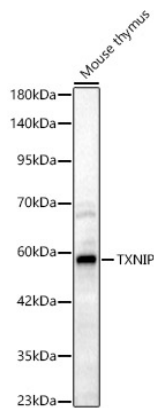
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS, pH 7.3, containing 50% glycerol. Preserved with Proclin300 or sodium azide.
May contain 0.05% BSA as specified on the Certificate of Analysis.

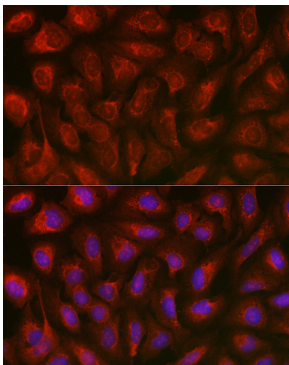
Validation Data



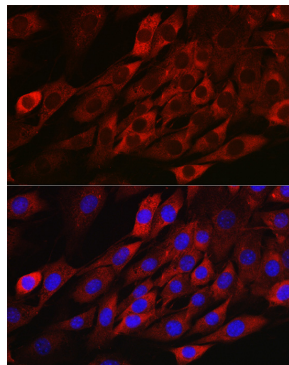
Immunoprecipitation of TXNIP from 300 μ g extracts of K-562 cells was performed using 1 μ g of TXNIP Rabbit pAb (A9342). Rabbit Control IgG (AC005) was used to precipitate the Control IgG sample. IP samples were eluted with 1x Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using TXNIP Rabbit pAb (A9342) at a dilution of 1:5000.



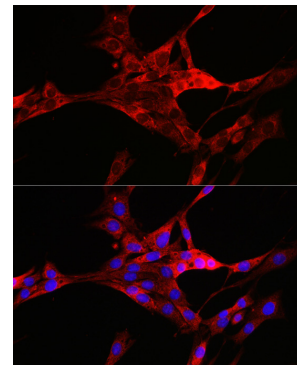
Western blot analysis of lysates from Mouse thymus, using TXNIP Rabbit pAb (A9342) at 1:2000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 μ g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 60s.



Immunofluorescence analysis of U2OS cells using TXNIP Rabbit pAb (A9342) at dilution of 1:100. Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of NIH/3T3 cells using TXNIP Rabbit pAb (A9342) at dilution of 1:100. Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of PC-12 cells using TXNIP Rabbit pAb (A9342) at dilution of 1:100. Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.