

TXNIP Rabbit mAb

Catalog No.: A28868 **Recombinant**

Basic Information

Observed MW

55 kDa

Calculated MW

44 kDa/37 kDa

Category

Primary antibody

Applications

WB,IP,ELISA

Cross-Reactivity

Human

CloneNo number

ARC79531

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 1:2000 - 1:10000

IP 0.5 µg - 4 µg antibody for
200 µg - 400 µg extracts
of whole cells

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. For high-ratio antibody dilutions ($\geq 1:10000$) a sequential dilution method is strongly recommended to ensure measurement accuracy.

Immunogen Information

Gene ID

10628

Swiss Prot

Q9H3M7

Immunogen

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

Synonyms

THIF; VDUP1; ARRDC6; HHCPA78; EST01027; TXNIP

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

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

Buffer: PBS with 0.09% Sodium azide, 0.05 % BSA, 50% glycerol, pH7.3.

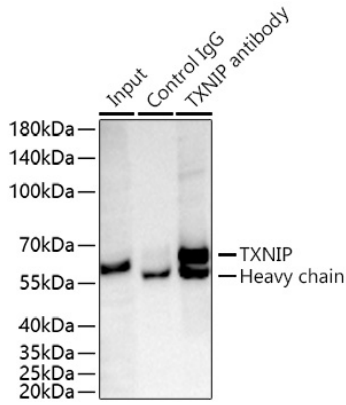
Contact

 | 400-999-6126

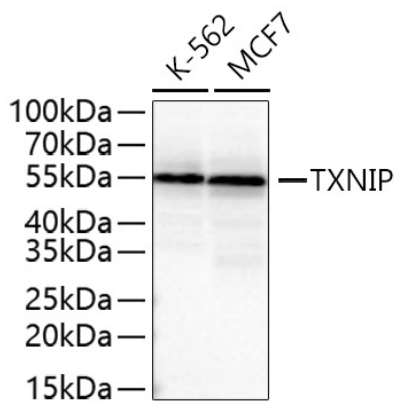
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Validation Data



Immunoprecipitation of TXNIP from 300 μ g extracts of K-562 cells was performed using 2 μ g of TXNIP Rabbit mAb (A28868). 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 mAb (A28868) at a dilution of 1:10000.



Western blot analysis of various lysates using TXNIP Rabbit mAb (A28868) at 1:5000 dilution incubated overnight at 4°C.

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: 60 s.