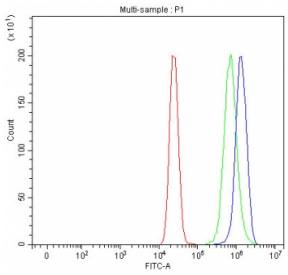
Thioredoxin-interacting protein Antibody / TXNIP (RQ8613)

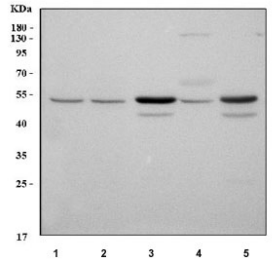
Catalog No.	Formulation	Size
RQ8613	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q9H3M7
Applications	Western blot: 0.5-1ug/ml Flow cytometry: 1-3ug/million cells ELISA: 0.1-0.5ug/ml
Limitations	This Thioredoxin-interacting protein antibody is available for research use only.



Flow cytometry testing of fixed and permeabilized human MCF7 cells with Thioredoxin-interacting protein antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Thioredoxin-interacting protein antibody.



Western blot testing of 1) human K562, 2) human MCF7, 3) rat brain, 4) rat testis and 5) mouse brain tissue lysate with Thioredoxin-interacting protein antibody. Predicted molecular weight: ~44 kDa and ~37 kDa (two isoforms).

Description

Thioredoxin-interacting protein is a protein that in humans is encoded by the TXNIP gene. 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.

Application Notes

Optimal dilution of the Thioredoxin-interacting protein antibody should be determined by the researcher.

Immunogen

An E.coli-derived human recombinant protein (amino acids D122-N152) was used as the immunogen for the Thioredoxin-interacting protein antibody.

Storage

After reconstitution, the Thioredoxin-interacting protein antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
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