

Thioredoxin 2 (Trx2/TXN2) Rabbit pAb

Catalog No.: A6782

Basic Information

Observed MW

13kDa

Calculated MW

18kDa

Category

Primary antibody

Applications

WB, IF/ICC

Cross-Reactivity

Human, Mouse

Background

This nuclear gene encodes a mitochondrial member of the thioredoxin family, a group of small multifunctional redox-active proteins. The encoded protein may play important roles in the regulation of the mitochondrial membrane potential and in protection against oxidant-induced apoptosis.

Recommended Dilutions

WB 1:500 - 1:2000

IF/ICC 1:10 - 1:100

Immunogen Information

Gene ID

25828

Swiss Prot

Q99757

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 1-166 of human Thioredoxin 2 (Trx2/Thioredoxin 2 (Trx2/TXN2)) (NP_036605.2).

Synonyms

TXN2; COXPD29; MT-TRX; MTRX; TRX2; TXN

Contact

 | www.abclonal.com

Product Information

Source

Rabbit

Isotype

IgG

Purification

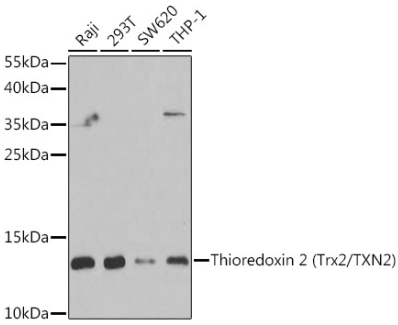
Affinity purification

Storage

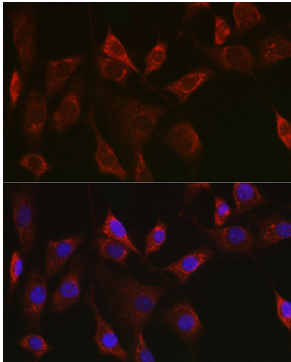
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

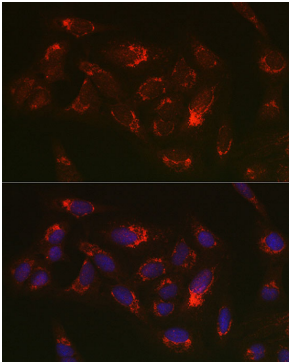
Validation Data



Western blot analysis of extracts of various cell lines, using Thioredoxin 2 (Trx2/Thioredoxin 2 (Trx2/TXN2)) antibody (A6782) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (A5014) at 1:10000 dilution.
Lysates/proteins: 25ug per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 30s.



Immunofluorescence analysis of NIH/3T3 cells using Thioredoxin 2 (Trx2/TXN2) Rabbit pAb (A6782) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of U2OS cells using Thioredoxin 2 (Trx2/TXN2) Rabbit pAb (A6782) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.