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Datasheet for ABIN7101688

anti-TXN2 antibody

2 Images

Overview

Quantity:	20 µL
Target:	TXN2
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This TXN2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	A synthesized peptide derived from human Thioredoxin 2 (Trx2/TXN2) (Trx2/TXN2)
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	TXN2
Alternative Name:	TXN2 (TXN2 Products)
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

Target Details

regulation of the mitochondrial membrane potential and in protection against oxidant-induced apoptosis. [provided by RefSeq, Jul 2008],COXPD29, MT-TRX, MTRX, TRX2, TXN,Cancer,Endocrine & Metabolism,Mitochondrial metabolism,Mitochondrial metabolism_Mitochondrial markers,Signal Transduction,TXN2

Molecular Weight: 12 kDa

Gene ID: 25828

UniProt: [Q99757](#)

Pathways: [Cell RedoxHomeostasis](#)

Application Details

Application Notes: WB,1:500 - 1:2000,IF,1:50 - 1:200

Restrictions: For Research Use only

Handling

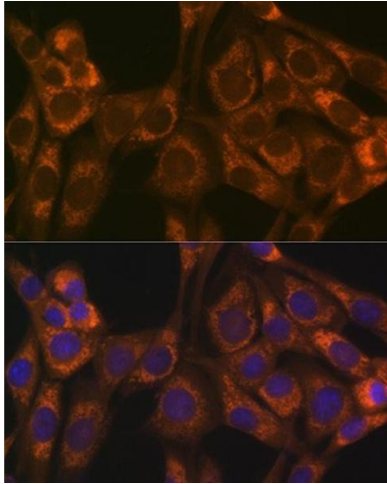
Buffer: PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

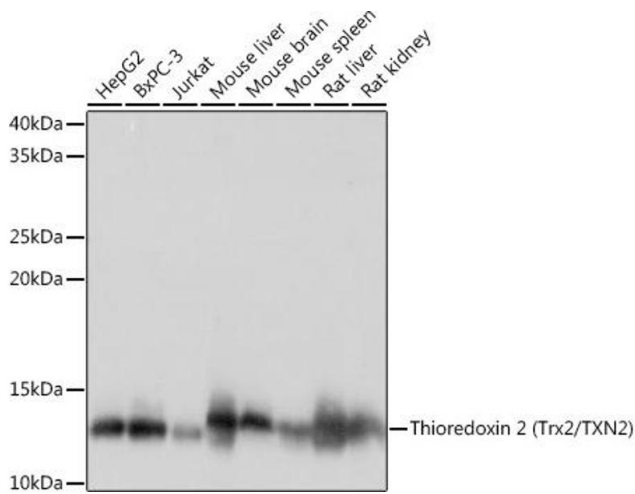
Storage: -20 °C

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



Immunofluorescence

Image 1. Immunofluorescence analysis of NIH-3T3 cells using Thioredoxin 2 (Trx2/TXN2) (Trx2/TXN2) Rabbit mAb (ABIN1679919, ABIN3018909, ABIN3018910 and ABIN7101688) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using Thioredoxin 2 (Trx2/TXN2) (Trx2/TXN2) Rabbit mAb (ABIN1679919, ABIN3018909, ABIN3018910 and ABIN7101688) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 1s.