Product Datasheet

Thioredoxin Rabbit mAb

Catalog No: #49416

Package Size: #49416-1 50ul #49416-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

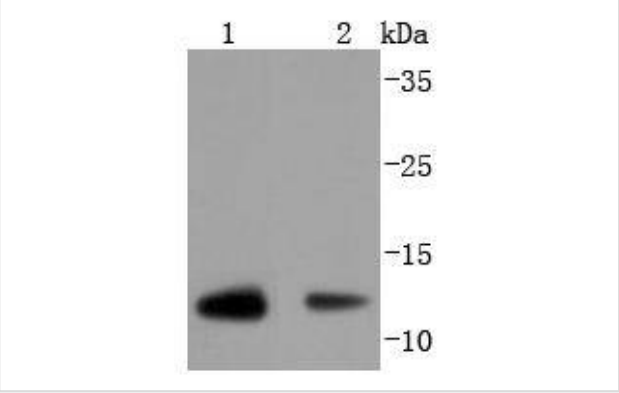
Description

Product Name	Thioredoxin Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JM10-019
Purification	ProA affinity purified
Applications	WB, ICC/IF, IHC, IP
Species Reactivity	Hu
Immunogen Description	recombinant protein
Other Names	ADF antibody ATL derived factor antibody ATL-derived factor antibody DKFZp686B1993 antibody MGC61975 antibody SASP antibody Surface associated sulphydryl protein antibody Surface-associated sulphydryl protein antibody testicular tissue protein Li 199 antibody THIO_HUMAN antibody Thioredoxin antibody thioredoxin delta 3 antibody TRDX antibody TRX 1 antibody Trx antibody TRX1 antibody TXN antibody TXN delta 3 antibody TXN protein antibody zgc:92903 antibody
Accession No.	Swiss-Prot#:P10599
Uniprot	P10599
GeneID	7295;
Calculated MW	12 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

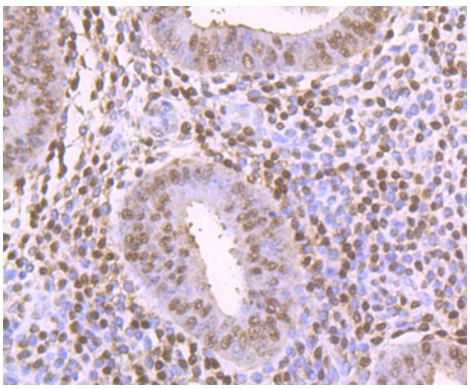
Application Details

WB: 1:1,000IHC: 1:50-1:200ICC: 1:100-1:200

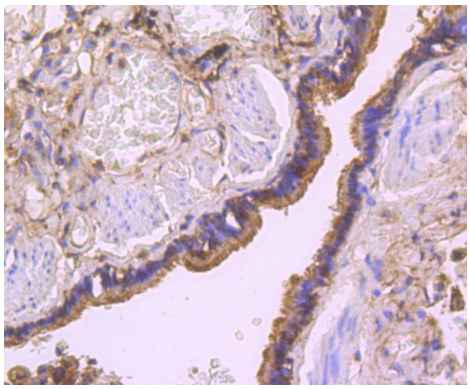
Images



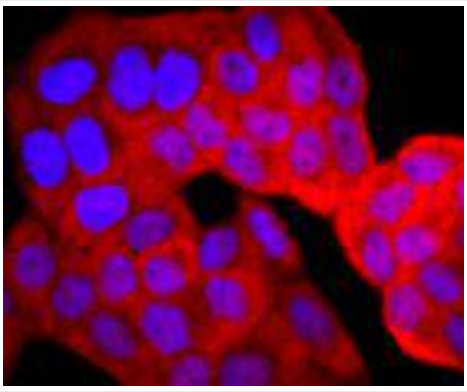
Western blot analysis of TRX1 on different lysates using anti-TRX1 antibody at 1/1,000 dilution. Positive control: Lane 1: Hela Lane 2: Human lung



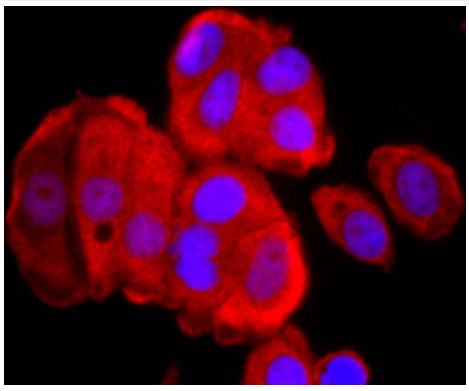
Immunohistochemical analysis of paraffin-embedded human uterus tissue using anti-TRX1 antibody. Counter stained with hematoxylin.



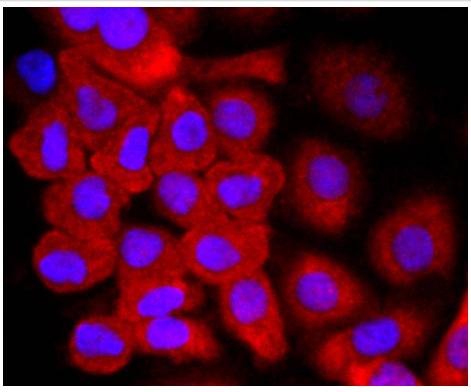
Immunohistochemical analysis of paraffin-embedded human lung tissue using anti-TRX1 antibody. Counter stained with hematoxylin.



ICC staining TRX1 in Hela cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining TRX1 in MCF-7 cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining TRX1 in SKOV-3 cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

Background

Thioredoxin (Trx) is a redox protein that is found in several species, such as bacteria, plants and mammals, and contains a conserved active site, consisting of Trp-Cys-Gly-Pro-Cys. Trx has several biological functions. It acts as a hydrogen donor for ribonucleotide reductase, which is critical for DNA synthesis, and modulates the DNA-binding activity of several transcription factors, including NFkB, AP-1, p53, TFIIIC and glucocorticoid receptor. Trx also stimulates cell growth, is an inhibitor of apoptosis and plays a role in the protection against oxidative stress. Drugs that inhibit Trx have antitumor activity, suggesting that Trx is involved in a variety of human diseases, including cancer. TrxR is a ubiquitously expressed flavoprotein that catalyzes the NADPH-dependent reduction of Trx as well as several other oxidized cellular components.

References

Note: This product is for in vitro research use only