

Thioredoxin Rabbit mAb

Catalog No: #49404

Package Size: #49404-1 50ul #49404-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

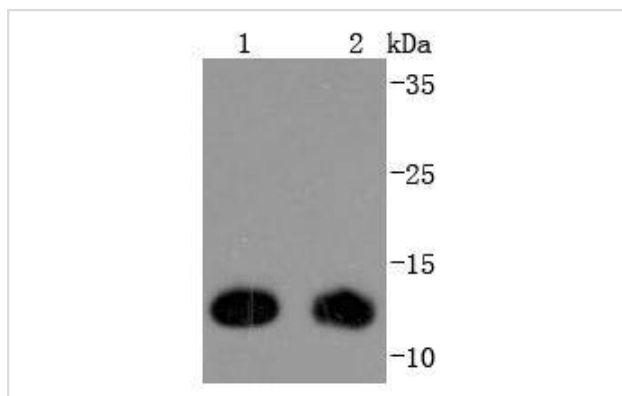
Description

Product Name	Thioredoxin Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JF101-8
Purification	ProA affinity purified
Applications	WB, FC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Other Names	ADF antibody ATL derived factor antibody ATL-derived factor antibody DKFZp686B1993 antibody MGC61975 antibody SASP antibody Surface associated sulphhydryl protein antibody Surface-associated sulphhydryl 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

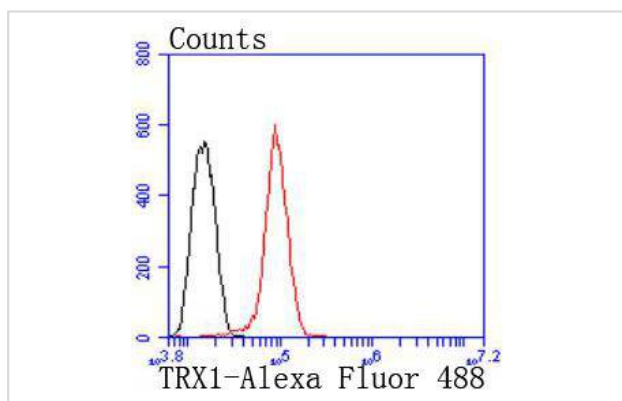
Application Details

WB: 1:1,000-5,000FC: 1:50-1:100

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: 293T



Flow cytometric analysis of HeLa cells with TRX1 antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.

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, TFIIC 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