

TXNRD1 Rabbit mAb

Catalog No: #49585

Package Size: #49585-1 50ul #49585-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

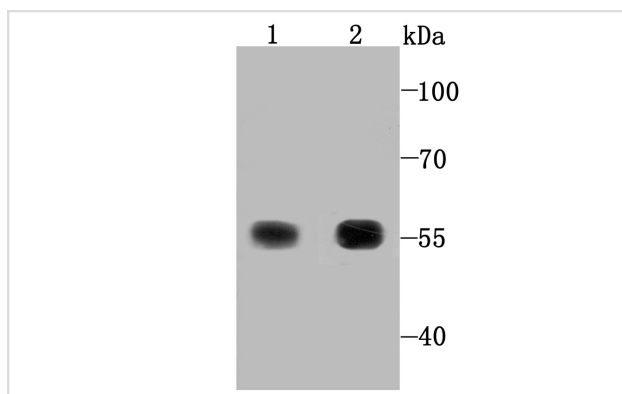
Description

Product Name	TXNRD1 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JA11-32
Purification	ProA affinity purified
Applications	WB, ICC, IHC, IP, FC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Other Names	cytoplasmic antibody Gene associated with retinoic and IFN-induced mortality 12 protein antibody Gene associated with retinoic and interferon-induced mortality 12 protein antibody Gene associated with retinoid IFN induced mortality 12 protein antibody GRIM 12 antibody GRIM-12 antibody GRIM12 antibody KDRF antibody KM 102 derived reductase like factor antibody KM-102-derived reductase-like factor antibody MGC9145 antibody Oxidoreductase antibody Thioredoxin reductase 1 antibody Thioredoxin reductase 1 cytoplasmic antibody Thioredoxin reductase GRIM 12 antibody Thioredoxin reductase TR1 antibody TR 1 antibody TR antibody TR1 antibody TRXR 1 antibody TRXR1 antibody TRXR1_HUMAN antibody TXNR antibody TXNRD 1 antibody Txnrd1 antibody
Accession No.	Swiss-Prot#:Q16881
Uniprot	Q16881
GeneID	7296;
Calculated MW	55 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

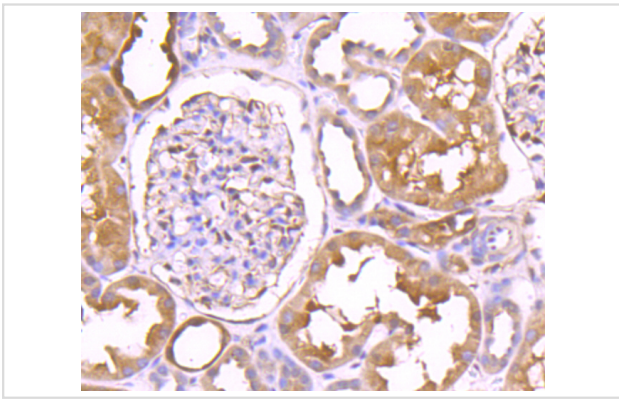
Application Details

WB: 1:500-1:2,000 IHC: 1:50-1:200 ICC: 1:50-1:200FC: 1:50-1:100

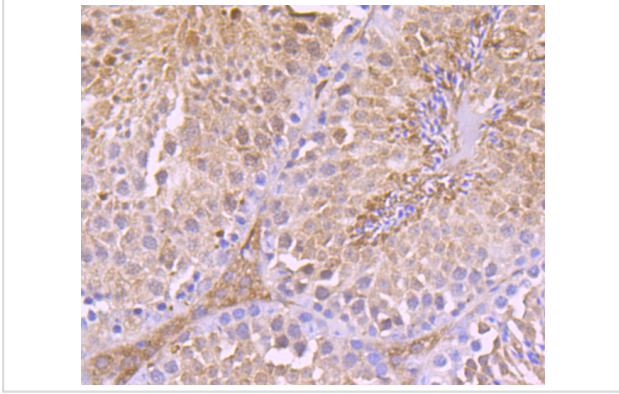
Images



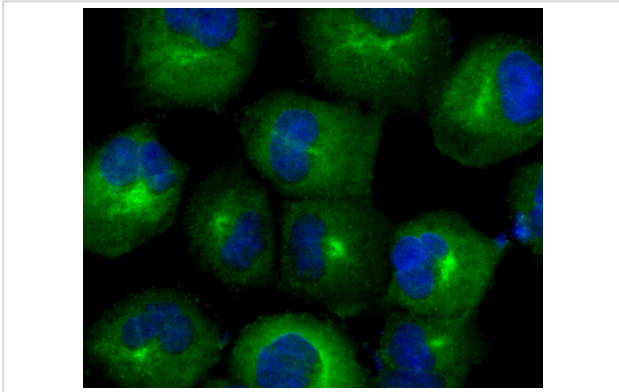
Western blot analysis of TXNRD1 on Hela (1) and human liver tissue lysate (2) using anti-TXNRD1 antibody at 1/1,000 dilution.



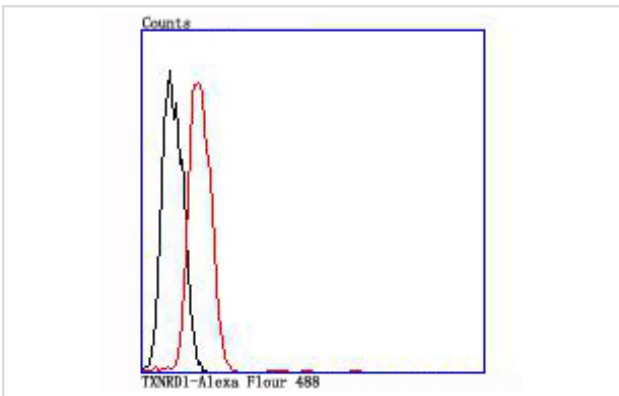
Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-TXNRD1 antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded mouse testes tissue using anti-TXNRD1 antibody. Counter stained with hematoxylin.



ICC staining TXNRD1 in HUVEC cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Flow cytometric analysis of SH-SY5Y cells with TXNRD1 antibody at 1/100 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black).

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 reductases (TrxR1 and TrxR2) are ubiquitous Ly noble flavoproteins that catalyze the NADPH-dependent reduction of Trx as well as several other oxidized cellular components. Mammalian Trx reductases are a part of a selenium-containing pyridine nucleotide-disulphide oxidoreductase family, which has a conserved catalytic site of Cys-Val- Asn-Val-Gly-Cys. TrxR1 and TrxR2 are also involved in the prevention of oxidative stress. Inhibition of TrxR activity may provide for potential treatments of cancer, AIDS and other autoimmune diseases as well as bacterial infections and parasitic diseases.

References

Note: This product is for in vitro research use only