

For Research Use Only

Multi-rAb® TXNRD2 Multi-Recombinant antibody

Catalog Number: RMX00099



Basic Information

Catalog Number:

RMX00099

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC007489

GeneID (NCBI):

10587

UNIPROT ID:

Q9NNW7

Full Name:

thioredoxin reductase 2

Calculated MW:

524 aa, 56 kDa

Observed MW:

54 kDa

Purification Method:

N/A

Recommended Dilutions:

WB: 1:5000-1:50000

IHC: 1:250-1:1000

Applications

Tested Applications:

WB, IHC, ELISA

Species Specificity:

human, rat

Positive Controls:

WB : HepG2 cells, MCF-7 cells

IHC : human liver tissue,

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

Human mitochondrial thioredoxin reductase (TXNRD2) is a selenocysteine-containing enzyme essential for mitochondrial oxygen radical scavenging. Three mammalian thioredoxin reductases exist; a cytosolic (TXNRD1), a mitochondrial (TXNRD2), and a testis-specific thioredoxin reductase (TXNRD3). (PMID: 21247928, PMID: 26199228)

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

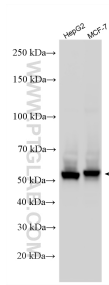
T: 4006900926

E: Proteintech-CN@ptglab.com

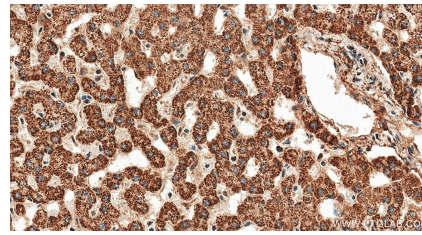
W: ptgcn.com

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Selected Validation Data



HepG2 cells were subjected to SDS PAGE followed by western blot with RMX00099 (TXNRD2 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using RMX00099 (TXNRD2 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).