

For Research Use Only

# TXNRD2 Recombinant antibody

Catalog Number: 85424-1-RR



## Basic Information

Catalog Number:

85424-1-RR

Concentration:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG8367

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:

Protein A purification

CloneNo.:

242912F11

Recommended Dilutions:

WB 1:5000-1:50000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : MCF-7 cells, HeLa cells, HepG2 cells, HEK-293 cells

## 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:

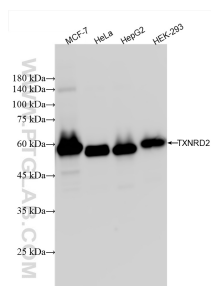
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

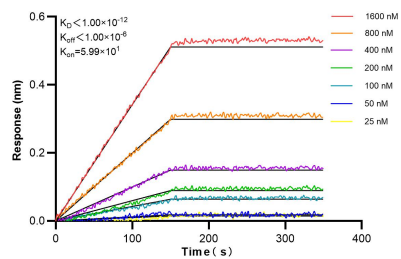
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85424-1-RR (TXNRD2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 85424-1-RR against Human TXNRD2 were performed. The affinity constant is below 1 pM.