

For Research Use Only

TXNRD2 Recombinant antibody, PBS Only

Catalog Number: 85424-1-PBS



Basic Information

Catalog Number:

85424-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

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

Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

human

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 -80°C.

Storage Buffer:

PBS only

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

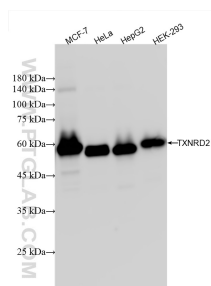
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: proteintech@ptglab.com

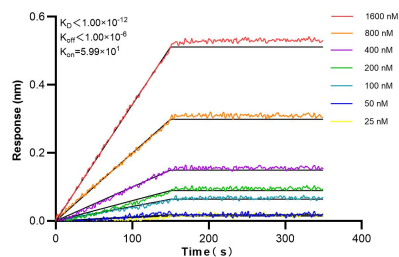
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Selected Validation Data



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. This data was developed using the same antibody clone with 85424-1-PBS in a different storage buffer formulation.



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