

For Research Use Only

TXNRD2 Recombinant antibody, PBS Only

Catalog Number: 85424-1-PBS



Basic Information

Catalog Number: 85424-1-PBS	GenBank Accession Number: BC007489	Purification Method: Protein A purification
Concentration: 1 mg/ml	GeneID (NCBI): 10587	CloneNo.: 242912F11
Source: Rabbit	UNIPROT ID: Q9NNW7	
Isotype: IgG	Full Name: thioredoxin reductase 2	
Immunogen Catalog Number: AG8367	Calculated MW: 524 aa, 56 kDa	
	Observed MW: 54 kDa	

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.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS only

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

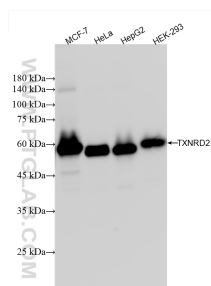
T: 4006900926

E: Proteintech-CN@ptglab.com

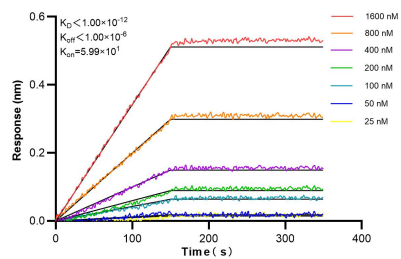
W: ptgcn.com

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Selected Validation Data



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.