TXNRD2 monoclonal antibody (M01), clone 3A7-F1

Catalog # H00010587-M01 Size 100 ug

Specification

Product Description	Mouse monoclonal antibody raised against a full length recombinant TXNRD2.
Immunogen	TXNRD2 (AAH07489, 1 a.a. ~ 428 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MHQAALLGGLIQDAPNYGWEVAQPVPHDWRKMAEAVQNHVKSLNWGHRVQLQDRKVKYFNIKA SFVDEHTVCGVAKGGKEILLSADHIIIATGGRPRYPTHIEGALEYGITSDDIFWLKESPGKTLVVGAS YVALECAGFLTGIGLDTTIMMRSIPLRGFDQQMSSMVIEHMASHGTRFLRGCAPSRVRRLPDGQLR VTWEDSTTGKEDTGTFDTVLWAIGRVPDTRSLNLEKAGVDTSPDTQKILVDSREATSVPHIYAIGD VVEGRPELTPIAIMAGRLLVQRLFGGSSDLMDYDNVPTTVFTPLEYGCVGLSEEEAVARHGQEHV EVYHAHYKPLEFTVAGRDASQCYVKMVCLREPPQLVLGLHFLGPNAGEVTQGFALGIKCGASYA QVMRTVGIHPTCSEEVVKLRISKRSGLDPTVTGC*G
Host	Mouse
Reactivity	Human
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- ELISA

Gene Info — TXNRD2

Entrez GeneID	10587
GeneBank Accession#	BC007489

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Protein Accession#	AAH07489
Gene Name	TXNRD2
Gene Alias	SELZ, TR, TR-BETA, TR3, TRXR2
Gene Description	thioredoxin reductase 2
Omim ID	606448
Gene Ontology	Hyperlink
Gene Summary	Thioredoxin reductase (TR) is a dimeric NADPH-dependent FAD containing enzyme that catalyzes the reduction of the active site disulfide of thioredoxin and other substrates. TR is a member of a family of pyridine nucleotide-disulfide oxidoreductases and is a key enzyme in the regulation of the intracellular redox environment. Three thioredoxin reductase genes have been found that encode selenocysteine containing proteins. This gene partially overlaps the COMT gene on chromosome 22. [provided by RefSeq
Other Designations	OTTHUMP00000195708|selenoprotein Z|thioredoxin reductase 3|thioredoxin reductase beta

Pathway

- Pyrimidine metabolism

Disease

- Alzheimer disease
- Arsenic Poisoning
- Breast cancer
- Breast Neoplasms
- Carcinoma
- Cardiovascular Diseases
- Cognition
- Colorectal Neoplasms
- Diabetes Mellitus

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- DNA Damage
- Drug Toxicity
- Edema
- Genetic Predisposition to Disease
- Hypercholesterolemia
- Kidney Failure
- Osteoarthritis
- Stomach Neoplasms
- Urinary Bladder Neoplasms

Copyright © 2023 Abnova Corporation. All Rights Reserved.