

Mouse anti-Human TXNRD1 Monoclonal Antibody | anti-TXNRD1 antibody

TXNRD1 antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48264	Mouse	Human	Immunofluorescence, Immunocytochemistry, Flow Cytometry, Functional Assay, Western Blot, ELISA

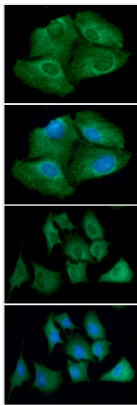
PRODUCT SYNONYMS

TXNRD1; Monoclonal Antibody; TXNRD1 antibody; Thioredoxin reductase 1; GRIM-12; MGC9145; TR; TR1; TRXR1; TXNR; Thioredoxin reductase 1 Gene associated with retinoid IFN induced mortality 12 protein; GRIM 12; GRIM12; KDRF; KM 102 derived reductase like factor; Oxidoreductase; Thioredoxin reductase 1 cytoplasmic; Thioredoxin reductase GRIM 12; Thioredoxin reductase TR1; TR 1; TRXR 1; TXNRD 1.; anti-TXNRD1 antibody

PRODUCT SPECIFICATIONS

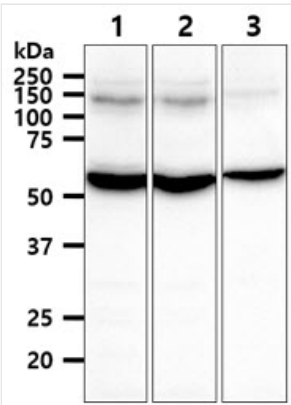
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2b, k
Clone Number	AT30F1
Purity/Purification	By protein-A affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1 mg/ml (varies by lot)
Sequence Length	649
Applicable Applications for anti-TXNRD1 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human TXNRD1 (161-647aa) purified from E. coli
Clone Note	Anti-human TXNRD1 mAb, clone AT30F1, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human TXNRD1 protein.
Preparation and Storage	Can be stored at 4 degree C. For long term storage, aliquot and store at -20 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



IF (Immunofluorescence)

ICC/IF analysis of TXNRD1 in Hep3B cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human TXNRD1 antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green). ICC/IF analysis of TXNRD1 in A549 cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human TXNRD1 antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).



WB (Western Blot)

The cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human TXNRD1 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1.: HeLa cell lysate Lane 2.: A549 cell lysate Lane 3.: PC3 cell lysate

ADDITIONAL INFORMATION

Related Product Information for anti-TXNRD1 antibody	TXNRD1, also known as Thioredoxin reductase 1, is a part of a selenium-containing pyridine nucleotidedisulphide oxidoreductase family, which has a conserved catalytic site of Cys-Val-Asn-Val-Gly-Cys. This protein reduces thioredoxins as well as other substrates, and plays a role in selenium metabolism and protection against oxidative stress. Inhibition of TXNRD1 activity may provide for potential treatments of cancer, AIDS and other autoimmune diseases as well as bacterial infections and parasitic diseases.
Product Categories/Family for anti-TXNRD1 antibody	Signal Transduction; Metabolism
References	Ma X., et al. (2002) J Biol Chem. 277 (25): 22460-8. ; Javvadi P (2010) Cancer Res. 70 (5): 1941-50.

NCBI AND UNIPROT INFORMATION

NCBI GI #	148277071
NCBI GeneID	7296
NCBI Accession #	NP_001087240
NCBI GenBank Nucleotide #	NM_001093771.2
UniProt Accession #	Q16881; Q6FI31; Q6VB40; Q6VB41; Q6VB42; Q6VBP2; Q6VBP3; B7Z1F4; B7Z3Y8; B7Z904; E9PMY9; F5H780
Molecular Weight	50,873 Da
NCBI Official Full Name	thioredoxin reductase 1, cytoplasmic isoform 5
NCBI Official Synonym Full Names	thioredoxin reductase 1
NCBI Official Symbol	TXNRD1
NCBI Official Synonym Symbols	TR; TR1; TXNR; TRXR1; GRIM-12
NCBI Protein Information	thioredoxin reductase 1, cytoplasmic
UniProt Protein Name	Thioredoxin reductase 1, cytoplasmic
UniProt Gene Name	TXNRD1
UniProt Synonym Gene Names	GRIM12; KDRF; TR; GRIM-12; Gene associated with retinoic and IFN-induced mortality 12 protein

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/txnrd1-antibody-clone-at30f1-immunofluorescence-immunocytochemistry-flow-cytometry-western-blot-elisa/48264>