

Rabbit TXNRD1 Polyclonal Antibody | anti-TXNRD1 antibody

TXNRD1 Antibody

CATALOG # AAA327461	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Western Blot
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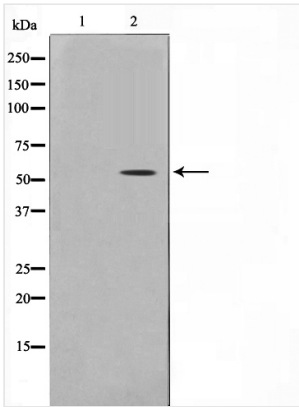
PRODUCT SYNONYMS

TXNRD1; Polyclonal Antibody; TXNRD1 Antibody; cytoplasmic; Gene associated with retinoic and IFN-induced mortality 12 protein; Gene associated with retinoic and interferon-induced mortality 12 protein; Gene associated with retinoid IFN induced mortality 12 protein; GRIM 12; GRIM-12; GRIM12; KDRF; KM 102 derived reductase like factor; KM-102-derived reductase-like factor; MGC9145; Oxidoreductase; Thioredoxin reductase 1; Thioredoxin reductase 1 cytoplasmic; Thioredoxin reductase GRIM 12; Thioredoxin reductase TR1; TR 1; TR; TR1; TRXR 1; TRXR1; TRXR1_HUMAN; TXNR; TXNRD 1; Txnrd1; anti-TXNRD1 antibody

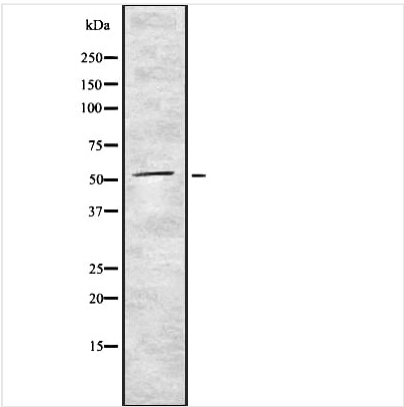
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	TXNRD1 antibody detects endogenous levels of total TXNRD1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	649
Applicable Applications for anti-TXNRD1 antibody	ELISA, WB (Western Blot)
Immunogen	A synthesized peptide derived from human TXNRD1
Subcellular Location	Cytoplasm and Cytoplasm. Nucleus.
Tissue Specificity	Isoform 1 is expressed predominantly in Leydig cells (at protein level). Also expressed in ovary, spleen, heart, liver, kidney and pancreas and in a number of cancer cell lines. Isoform 4 is widely expressed with highest levels in kidney, testis, uterus, ovary, prostate, placenta and fetal liver.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Bovine (100%), Horse (92%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (100%), Xenopus (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of TXNRD1 using Jurkat whole cell lysates. The lane on the left is treated with the antigen-specific peptide.



WB (Western Blot)
Western blot analysis of TXNRD1 using Jurkat whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-TXNRD1 antibody	Function: Isoform 1 may possess glutaredoxin activity as well as thioredoxin reductase activity and induces actin and tubulin polymerization, leading to formation of cell membrane protrusions. Isoform 4 enhances the transcriptional activity of estrogen receptors alpha and beta while isoform 5 enhances the transcriptional activity of the beta receptor only. Isoform 5 also mediates cell death induced by a combination of interferon-beta and retinoic acid. Subunit Structure: Homodimer. Isoform 4 interacts with ESR1 and ESR2. Interacts with HERC5. Post-translational Modifications: The N-terminus of isoform 5 is blocked. ISGylated. Similarity: The N-terminal glutaredoxin domain found in isoform 1 does not contain the C-P-Y-C redox-active motif normally found in glutaredoxins and has been found to be inactive in classical glutaredoxin assays. Belongs to the class-I pyridine nucleotide-disulfide oxidoreductase family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	148277071
NCBI GeneID	7296
NCBI Accession #	NP_001087240.1
NCBI GenBank Nucleotide #	NM_001093771.2
UniProt Accession #	Q16881; Q6FI31; Q6VB40; Q6VB41; Q6VB42; Q6VBP2; Q6VBP3; B7Z1F4; B7Z3Y8; B7Z904; E9PMY9; F5H780
Molecular Weight	Observed: 55 kDa Predicted: 71 kDa
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/polyclonal/txnrd1-antibody-western-blot-elisa/327461>