

Rabbit Thioredoxin reductase 1, cytoplasmic Polyclonal Antibody | anti-TXNRD1 antibody

Rabbit anti-human Thioredoxin reductase 1, cytoplasmic polyclonal Antibody(TXNRD1)

CATALOG # AAA230307	HOST Rabbit	APPLICATIONS Immunohistochemistry, Western Blot, ELISA
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PRODUCT SYNONYMS

Thioredoxin reductase 1; cytoplasmic; Polyclonal Antibody; Rabbit anti-human Thioredoxin reductase 1; cytoplasmic polyclonal Antibody(TXNRD1); cytoplasmic (TR) (EC 1.8.1.9) (Gene associated with retinoic and interferon-induced mortality 12 protein) (GRIM-12) (Gene associated with retinoic and IFN-induced mortality 12 protein) (KM-102-derived reductase-like factor) (Thioredoxin reductase TR1); TXNRD1; GRIM12 KDRF; anti-TXNRD1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	649
Applicable Applications for anti-TXNRD1 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	Recombinant Human Thioredoxin reductase 1, cytoplasmic protein (1-497AA)
Conjugate	Non-conjugated
Immunogen Species	Homo sapiens (Human)
Research Area	Signal Transduction
Target Names	TXNRD1
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-18220 / sc-31056 / sc-31057 / sc-20147
Preparation and Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human spleen tissue using AAA230307 at dilution of 1:100



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human liver tissue using AAA230307 at dilution of 1:100



WB (Western Blot)

Western blotAll lanes: TXNRD1 antibody at 5ug/mlLane 1: Jurkat whole cell lysateLane 2: A549 whole cell lysateLane 3: MCF7 whole cell lysateLane 4: Hela whole cell lysateSecondaryGoat polyclonal to Rabbit IgG at 1/10000 dilutionPredicted band size: 71, 60, 66, 61, 55, 68, 51 kDaObserved band size: 60 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-TXNRD1 antibody	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.
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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
NCBI Official Full Name	thioredoxin reductase 1, cytoplasmic isoform 3
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
UniProt Entry Name	TRXR1_HUMAN

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.