

Datasheet for ABIN7172018
anti-TXNRD1 antibody (AA 1-497)

3 Images

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Overview

Quantity:	100 µg
Target:	TXNRD1
Binding Specificity:	AA 1-497
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TXNRD1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant Human Thioredoxin reductase 1, cytoplasmic protein (1-497AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	TXNRD1
Alternative Name:	TXNRD1 (TXNRD1 Products)
Background:	Background: Isoform 1 may possess glutaredoxin activity as well as thioredoxin reductase activity and induces actin and tubulin polymerization, leading to formation of cell membrane

Target Details

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.

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

UniProt: [Q16881](#)

Pathways: [Regulation of Lipid Metabolism by PPARalpha](#), [Regulation of Carbohydrate Metabolic Process](#), [Cell RedoxHomeostasis](#)

Application Details

Application Notes: Recommended dilution: WB:1:1000-1:5000, IHC:1:20-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

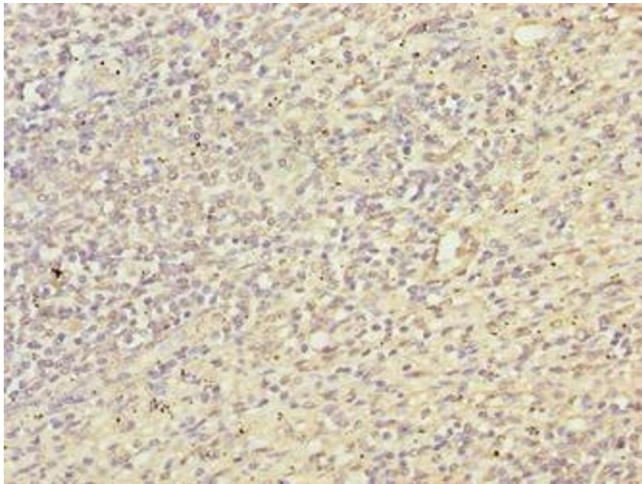
Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

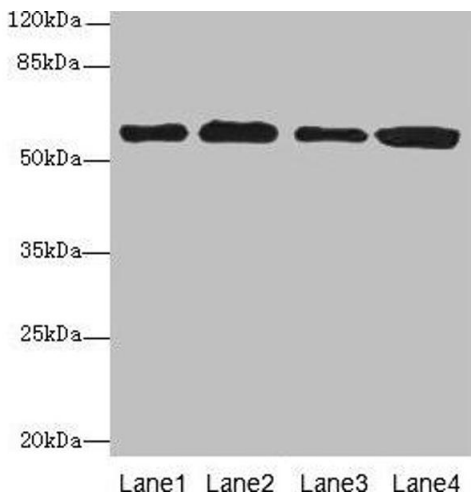
Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



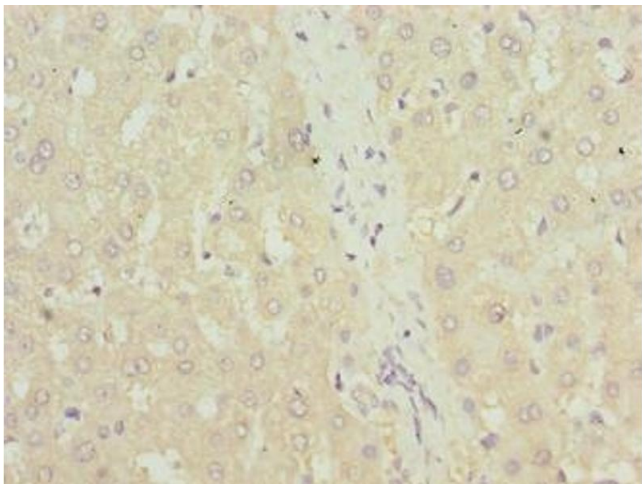
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human spleen tissue using ABIN7172018 at dilution of 1:100



Western Blotting

Image 2. Western blot All lanes: TXNRD1 antibody at 5 μ g/mL Lane 1: Jurkat whole cell lysate Lane 2: A549 whole cell lysate Lane 3: MCF-7 whole cell lysate Lane 4: HeLa whole cell lysate Secondary Goat polyclonal to rabbit IgG at 1/10000 dilution Predicted band size: 71, 60, 66, 61, 55, 68, 51 kDa Observed band size: 60 kDa



Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded human liver tissue using ABIN7172018 at dilution of 1:100