

Datasheet for ABIN184781
anti-TXNRD1 antibody (C-Term)

3 Images

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Overview

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

Product Details

Purpose:	Thioredoxin Reductase 1
Immunogen:	Peptide with sequence TKRSGASILQAGC, from the C Terminus of the protein sequence according to NP_003321.2, NP_877393.1, NP_877419.1, NP_877420.1, NP_001087240.1.
Sequence:	TKRSGASILQ AGC
Isotype:	IgG
Specificity:	This antibody is expected to recognise reported isoform 1 (NP_003321.2), isoform 2 (NP_877393.1, NP_877419.1, NP_877420.1) and isoform 3 (NP_001087240.1)
Cross-Reactivity:	Human
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Product Details

Grade: Verified

Target Details

Target: TXNRD1

Alternative Name: TXNRD1 ([TXNRD1 Products](#))

Background: TXNRD1, thioredoxin reductase 1, TR1, TXNR, GRIM-12, MGC9145, TR, TRXR1, KM-102-derived reductase-like factor, oxidoreductase, thioredoxin reductase GRIM-12

Gene ID: 7296

NCBI Accession: [NP_003321](#), [NP_877393](#), [NP_877419](#), [NP_877420](#), [NP_001087240](#)

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

Application Details

Application Notes: Immunohistochemistry: Paraffin embedded Human Testis and Spleen. Recommended concentration: 2.5 µg/mL.
Western Blot: Approx 60 kDa band observed in Human Placenta lysates (predicted MW of 57 kDa according to NP_003321). Recommended for use at 0.1-1 µg/mL.
Peptide ELISA: antibody detection limit dilution 1:32000.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.5 mg/mL

Buffer: Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.

Preservative: Sodium azide

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

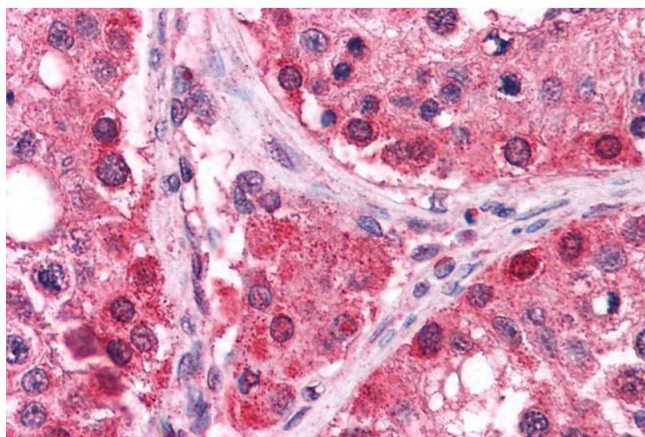
Handling Advice: Minimize freezing and thawing.

Storage: -20 °C

Handling

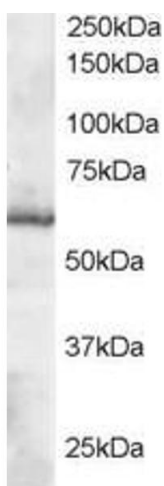
Storage Comment: Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable.

Images



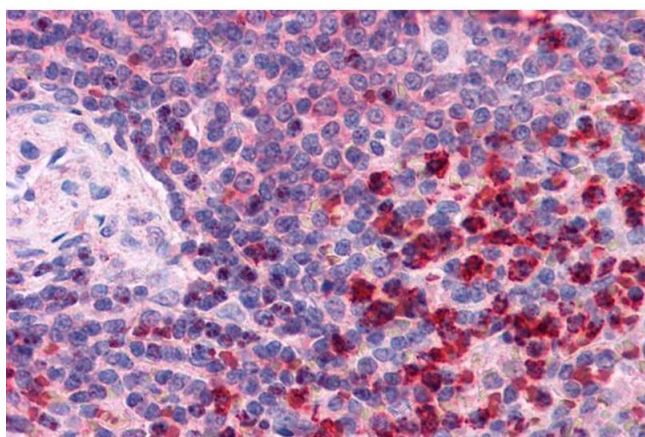
Immunohistochemistry

Image 1. ABIN184781 (2.5µg/ml) staining of paraffin embedded Human Testis. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



Western Blotting

Image 2. ABIN184781 staining (0.1µg/ml) of Human Placenta lysate (RIPA buffer, 35µg total protein per lane). Primary incubated for 1 hour. Detected by chemiluminescence.



Immunohistochemistry

Image 3. ABIN184781 (2.5µg/ml) staining of paraffin embedded Human Spleen. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.