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Datasheet for ABIN1398289  
**anti-TXNRD1 antibody (AA 451-550) (Biotin)**

## Overview

Quantity:	100 µL
Target:	TXNRD1
Binding Specificity:	AA 451-550
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TXNRD1 antibody is conjugated to Biotin
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

## Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human TXNRD1
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Dog,Cow,Pig,Horse
Purification:	Purified by Protein A.

## Target Details

Target:	TXNRD1
Alternative Name:	TXNRD1 ( <a href="#">TXNRD1 Products</a> )

## Target Details

Background:	<p>Synonyms: TR, TR1, TXNR, TRXR1, GRIM-12, Thioredoxin reductase 1, cytoplasmic, Gene associated with retinoic and interferon-induced mortality 12 protein, Gene associated with retinoic and IFN-induced mortality 12 protein, KM-12-derived reductase-like factor, Thioredoxin reductase TR1, TXNRD1, GRIM12, KDRF</p> <p>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 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.</p>
Gene ID:	7296
UniProt:	<a href="#">Q16881</a>
Pathways:	<a href="#">Regulation of Lipid Metabolism by PPARalpha</a> , <a href="#">Regulation of Carbohydrate Metabolic Process</a> , <a href="#">Cell RedoxHomeostasis</a>

## Application Details

Application Notes:	WB 1:300-5000 IHC-P 1:200-400 IHC-F 1:100-500
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
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
Storage Comment:	Store at -20°C for 12 months.
Expiry Date:	12 months