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Datasheet for ABIN1398286

anti-TXNRD1 antibody (AA 451-550) (Alexa Fluor 488)

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 Alexa Fluor 488
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

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 (TXNRD1 Products)

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:	Q16881
Pathways:	Regulation of Lipid Metabolism by PPARAlpha , Regulation of Carbohydrate Metabolic Process , Cell RedoxHomeostasis

Application Details

Application Notes:	IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
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. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months