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Datasheet for ABIN2789948

anti-TXNRD3 antibody (N-Term)

1 Image

Overview

Quantity:	100 µL
Target:	TXNRD3
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TXNRD3 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N-terminal region of Human TXNRD3
Sequence:	LSPPGRRARL SSPGPSRSSE AREELRRHLV GLIERSRVVI FSKSYCPHST
Predicted Reactivity:	Human: 100%, Mouse: 86%, Rabbit: 86%
Characteristics:	This is a rabbit polyclonal antibody against TXNRD3. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	TXNRD3
Alternative Name:	TXNRD3 (TXNRD3 Products)

Target Details

Background: This gene encodes a member of the family of pyridine nucleotide oxidoreductases. This protein catalyzes the reduction of thioredoxin, and is implicated in the defense against oxidative stress. It contains a selenocysteine (Sec) residue (which is essential for catalytic activity), encoded by a UGA codon, at the penultimate C-terminal position. The 3' UTR of Sec-containing genes have a common stem-loop structure, the sec insertion sequence (SECIS), which is necessary for the recognition of UGA as a Sec codon rather than as a stop signal. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

Alias Symbols: TGR, TR2, TRXR3

Protein Interaction Partner: UBC,

Protein Size: 643

Molecular Weight: 70 kDa

Gene ID: 114112

NCBI Accession: [NM_052883](#), [NP_443115](#)

UniProt: [Q86VQ6](#)

Pathways: [Cell RedoxHomeostasis](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 643 AA

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: Lot specific

Buffer: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

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: Avoid repeated freeze-thaw cycles.

Handling

Storage: -20 °C

Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-TXNRD3 Antibody Titration:
1.0 ug/ml Positive Control: OVCAR-3 Whole Cell