



[Go to Product page](#)

Datasheet for ABIN2789949  
**anti-TXNRD3 antibody (Middle Region)**

1 Image

Overview

Quantity:	100 µL
Target:	TXNRD3
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rabbit, Horse, Pig, Rat, Zebrafish (Danio rerio), Dog, Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TXNRD3 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Sequence:	NHISLNLWGY RLSLREKAVA YVNSYGEFVE HHKIKATNKK GQETYTAAQ
Predicted Reactivity:	Dog: 86%, Guinea Pig: 77%, Horse: 86%, Human: 100%, Mouse: 93%, Pig: 86%, Rabbit: 85%, Rat: 79%, Zebrafish: 79%
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 ( <a href="#">TXNRD3 Products</a> )
Background:	This gene encodes a member of the family of pyridine nucleotide oxidoreductases. This protein

## Target Details

---

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: 607

Molecular Weight:	66 kDa
Gene ID:	114112
NCBI Accession:	<a href="#">NM_001173513</a> , <a href="#">NP_001166984</a>
UniProt:	<a href="#">Q86VQ6</a>
Pathways:	<a href="#">Cell RedoxHomeostasis</a>

## Application Details

---

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 607 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.
Storage:	-20 °C

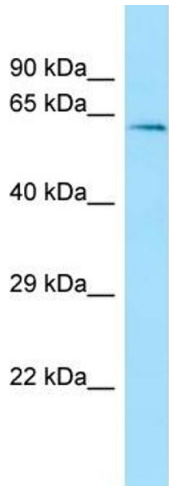
## Handling

---

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

---



Rabbit Anti-TXNRD3 Antibody  
Catalog Number: ARP64749  
Lot Number: QC35439  
Lane: THP-1 Cell Lysate

Antibody Titration: 1.0µg/ml  
Gel Concentration: 12%

### Western Blotting

Image 1.