

Product datasheet for **TA337942**

TXNRD3 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-TXNRD3 antibody is: synthetic peptide directed towards the N-terminal region of Human TXNRD3. Synthetic peptide located within the following region: LSPPGRRARLSSPGPSRSSEAREELRRHLVGLIERSRVVIFSKSYCPHST
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	70 kDa
Gene Name:	thioredoxin reductase 3
Database Link:	NP_443115 Entrez Gene 114112 Human Q86VQ6



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Background:

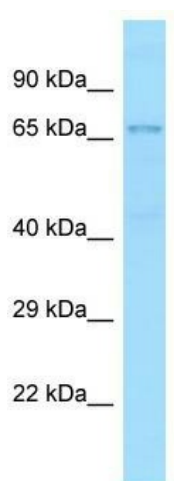
This gene encodes a member of the family of pyridine nucleotide oxidoreductases. This protein catalyzes the reduction of thioredoxin, and is implicated in the defense against oxidative stress. It contains a selenocysteine (Sec) residue (which is essential for catalytic activity), encoded by a UGA codon, 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.

Synonyms:

TGR; TR2; TRXR3

Note:

Immunogen Sequence Homology: Human: 100%; Mouse: 86%; Rabbit: 86%

Product images:

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