

## Product datasheet for **TA385502M**

### **TXNRD1 Rabbit Monoclonal Antibody [Clone ID: R01-8I4]**

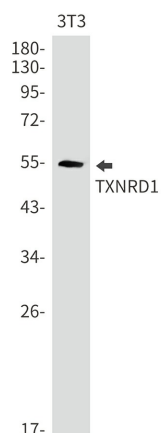
#### **Product data:**

Product Type:	Primary Antibodies
Clone Name:	R01-8I4
Applications:	IF, IHC, IP, WB
Recommended Dilution:	WB: 1/1000-1/5000 IHC: 1/20 ICC/IF: 1/20-1/100 IP: 1/20
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Monoclonal
Immunogen:	Recombinant protein of human TXNRD1
Formulation:	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Concentration:	lot specific
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Stability:	1 year
Predicted Protein Size:	Calculated MW: 67 kDa; Observed MW: 55 kDa
Gene Name:	thioredoxin reductase 1
Database Link:	<a href="#">Entrez Gene 7296 Human Q16881</a>
Background:	Swiss-Prot Acc.Q16881.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.

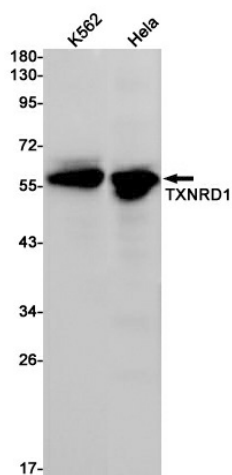

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**Synonyms:** GRIM-12; KDRF; MGC9145; oxidoreductase; TR; TR1; TRXR1; TXNR

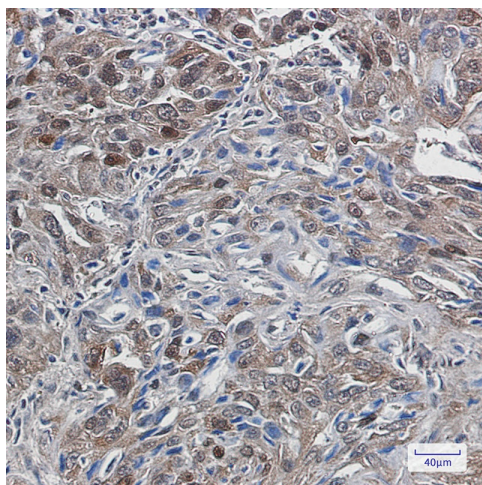
## Product images:



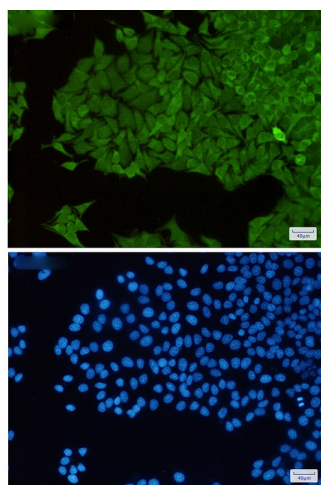
Western blot analysis of TXNRD1 in 3T3 lysates using Thioredoxin Reductase 1 antibody.



Western blot analysis of TXNRD1 in K562, HeLa lysates using TXNRD1 antibody.



Immunohistochemistry analysis of paraffin-embedded Human lung cancer using TXNRD1 antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Immunocytochemistry analysis of TXNRD1(green) in Hela using TXNRD1 antibody, and DAPI(blue).