

## Product datasheet for **TA385502**

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

#### **Product data:**

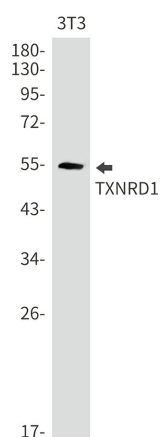
<b>Product Type:</b>	Primary Antibodies
<b>Clone Name:</b>	R01-8I4
<b>Applications:</b>	IF, IHC, IP, WB
<b>Recommended Dilution:</b>	WB: 1/1000-1/5000 IHC: 1/20 ICC/IF: 1/20-1/100 IP: 1/20
<b>Reactivity:</b>	Human, Mouse
<b>Host:</b>	Rabbit
<b>Isotype:</b>	IgG
<b>Clonality:</b>	Monoclonal
<b>Immunogen: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



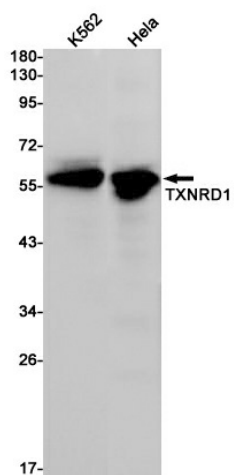
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Synonyms: GRIM-12; KDRF; MGC9145; oxidoreductase; TR; TR1; TRXR1; TXNR

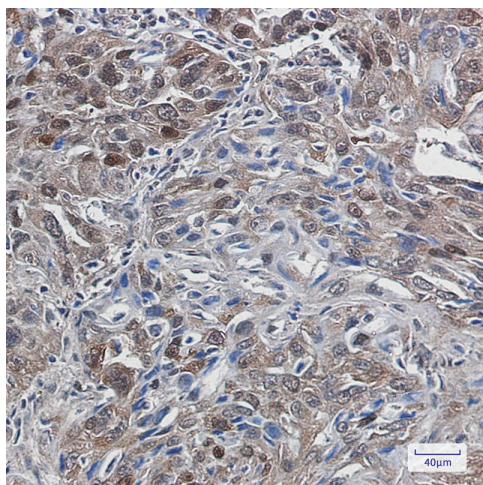
### Product images:



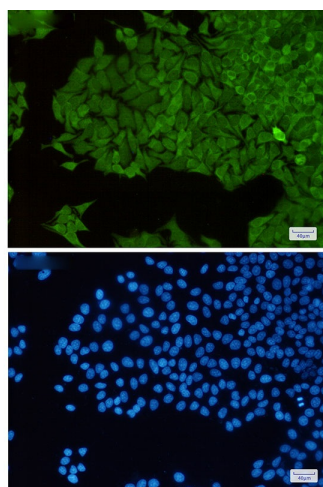
Western blot analysis of TXNRD1 in 3T3 lysates using Thioredoxin Reductase 1 antibody.



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).