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**Product Name: Thioredoxin Reductase 1 Rabbit Monoclonal Antibody****Catalog #: AMRe02732**

For research use only.

**Summary**

<b>Description</b>	Recombinant rabbit monoclonal antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,IHC,ICC/IF,IP
<b>Reactivity</b>	Human,Mouse
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	0.45mg/ml. The concentration of this product may be batch-dependent.
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% protective protein
<b>Purification</b>	Affinity Purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:1000,IHC 1:50-1:100,ICC/IF 1:50-1:200,IP 1:20-1:50
<b>Molecular Weight</b>	Calculated MW: 71 kDa; Observed MW: 55 kDa

**Antigen Information**

<b>Gene Name</b>	TXNRD1
<b>Alternative Names</b>	TR; TR1; TXNR; TRXR1; GRIM-12
<b>Gene ID</b>	7296
<b>SwissProt ID</b>	Q16881
<b>Immunogen</b>	A synthetic peptide of human TXNRD1

**Background**

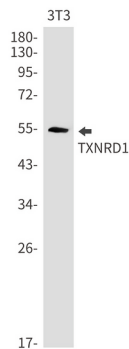
Isoform 1 may possess glutaredoxin activity as well as thioredoxin reductase activity and induces actin and tubulin polymerization, leading to formation of cell membrane protrusions. Isoform 4 enhances the transcriptional activity of estrogen

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.

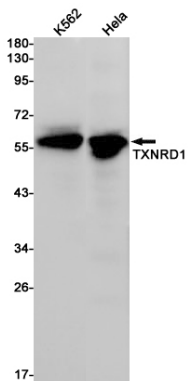
## Research Area

Signal Transduction

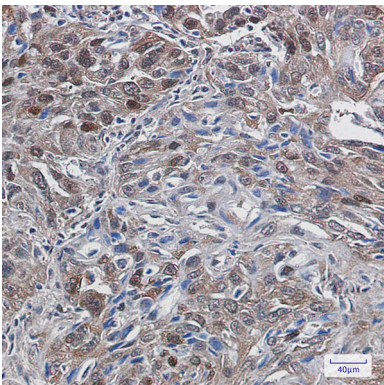
## Image Data



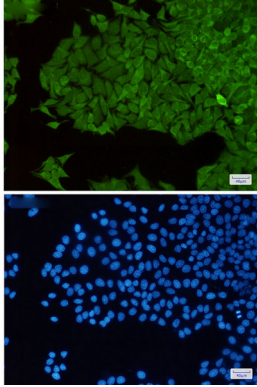
Western blot analysis of TXNRD1 in 3T3 lysates using Thioredoxin Reductase 1 antibody.



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).