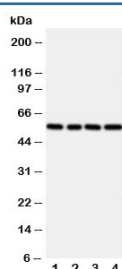


## TXNRD2 Antibody (R31003)

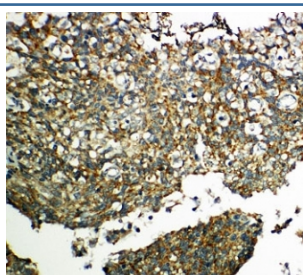
Catalog No.	Formulation	Size
R31003	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

**Bulk quote request**

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human, Rat
<b>Format</b>	Antigen affinity purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity
<b>Buffer</b>	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
<b>UniProt</b>	Q9NNW7
<b>Applications</b>	Western Blot : 0.5-1ug/ml IHC (FFPE) : 0.5-1ug/ml
<b>Limitations</b>	This TXNRD2 antibody is available for research use only.



Western blot testing of TXNRD2 antibody and rat samples 1: kidney; 2: ovary; 3: liver; 4: human SMMC-7721 cell lysate



IHC-P: TXNRD2 antibody testing of human lung cancer tissue

## Description

Thioredoxin reductase 2 is also known as TRXR2, TR3, SELZ, or TR-BETA. Thioredoxin reductases, are selenocysteine (sec)-containing flavoenzymes that maintain thioredoxins, small proteins that catalyze redox reactions, in the reduced state using the reducing power of NADPH. By STS analysis and genomic sequence analysis, respectively, Miranda-Vizuite et al.(1999) and Sun et al.(1999) mapped the TXNRD2 gene to chromosome 22q11.2. Miranda-Vizuite et al.(1999) mapped the mouse gene to chromosome 16. Gasdaska et al.(1999) showed that TXNRD2 was a thioredoxin reductase that could directly reduce proteins such as insulin.

## Application Notes

The stated application concentrations are suggested starting amounts. Titration of the TXNRD2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

An amino acid sequence from the C-terminus of human TXNRD2 (RHGQEHVEVYHAHYKPL) was used as the immunogen for this TXNRD2 antibody.

## Storage

After reconstitution, the TXNRD2 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.