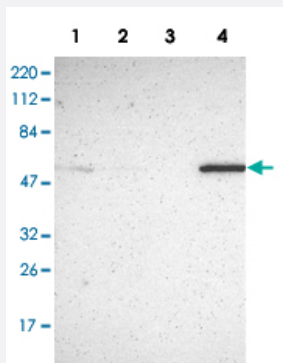


TXNRD2 polyclonal antibody

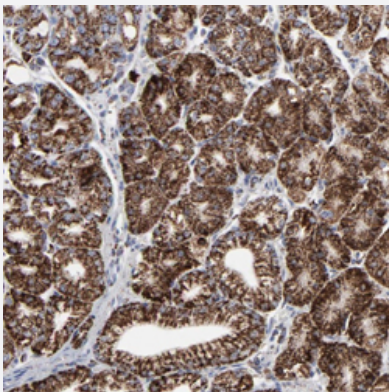
Catalog # PAB29540 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of Lane 1: Human cell line RT-4, Lane 2: Human cell line U-251MG sp, Lane 3: Human plasma (IgG/HSA depleted), Lane 4: Human liver tissue with TXNRD2 polyclonal antibody (Cat # PAB29540).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of human stomach with TXNRD2 polyclonal antibody (Cat # PAB29540) shows strong cytoplasmic positivity in glandular cells.

Specification

Product Description	Rabbit polyclonal antibody raised against recombinant human TXNRD2.
Immunogen	Recombinant protein corresponding to human TXNRD2.
Sequence	CAGFLTIGLDTTIMMRSIPLRGFDQQMSSMVEIHMASHGTRFLRGCAPSRVRRLLPDGQLQVTWE DSTTGKEDTGTFTDLWAIGRVPDTRSLNLEKAGVDTSPDTQKILVDSREATSVPHIYAIGDVVEG RPELTPTAIMAGRLLVQRLF
Host	Rabbit
Reactivity	Human

Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (1:50-1:200) Western Blot (1:100-1:250) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of Lane 1: Human cell line RT-4, Lane 2: Human cell line U-251MG sp, Lane 3: Human plasma (IgG/HSA depleted), Lane 4: Human liver tissue with TXNRD2 polyclonal antibody (Cat # PAB29540).

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of human stomach with TXNRD2 polyclonal antibody (Cat # PAB29540) shows strong cytoplasmic positivity in glandular cells.

Gene Info — TXNRD2

Entrez GeneID	10587
Gene Name	TXNRD2
Gene Alias	SELZ, TR, TR-BETA, TR3, TRXR2
Gene Description	thioredoxin reductase 2
Omim ID	606448
Gene Ontology	Hyperlink

Gene Summary

Thioredoxin reductase (TR) is a dimeric NADPH-dependent FAD containing enzyme that catalyzes the reduction of the active site disulfide of thioredoxin and other substrates. TR is a member of a family of pyridine nucleotide-disulfide oxidoreductases and is a key enzyme in the regulation of the intracellular redox environment. Three thioredoxin reductase genes have been found that encode selenocysteine containing proteins. This gene partially overlaps the COMT gene on chromosome 22. [provided by RefSeq]

Other Designations

OTTHUMP00000195708|selenoprotein Z|thioredoxin reductase 3|thioredoxin reductase beta

Pathway

- [Pyrimidine metabolism](#)

Disease

- [Alzheimer disease](#)
- [Arsenic Poisoning](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Cognition](#)
- [Colorectal Neoplasms](#)
- [Diabetes Mellitus](#)
- [DNA Damage](#)
- [Drug Toxicity](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hypercholesterolemia](#)
- [Kidney Failure](#)
- [Osteoarthritis](#)

- [Stomach Neoplasms](#)
- [Urinary Bladder Neoplasms](#)