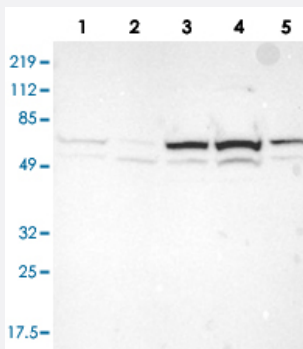


TXNRD1 polyclonal antibody

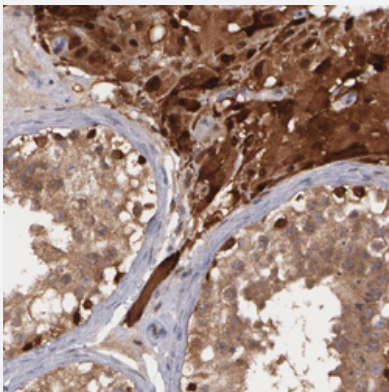
Catalog # PAB28426 Size 100 uL

Applications



Western Blot

Western blot analysis of Lane 1: RT-4, Lane 2: U-251 MG, Lane 3: A-431, Lane 4: Liver, Lane 5: Tonsil with TXNRD1 polyclonal antibody (Cat # PAB28426).



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

Immunohistochemical staining of human testis with TXNRD1 polyclonal antibody (Cat # PAB28426) shows strong cytoplasmic and nuclear positivity in leydig cells and basal cells in the seminiferous ducts.

Specification

Product Description	Rabbit polyclonal antibody raised against recombinant TXNRD1.
Immunogen	Recombinant protein corresponding to amino acids of recombinant TXNRD1.
Sequence	SCEDGRALEGTLSELAAETDLPVVFVKQRKIGGHGPTLKAYQEGRLQKLLKMNGPEDLPKSYDY DLIIIGGSGGLAAAKEAAQYGKKVMVLDFTPTPLGTRWGLGGTCVNVGCIPKKLMHQAALLGQ ALQDSRNYG
Host	Rabbit
Reactivity	Human

Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry(1:200-1:500) Western Blot(1:250-1:500) 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

Western blot analysis of Lane 1: RT-4, Lane 2: U-251 MG, Lane 3: A-431, Lane 4: Liver, Lane 5: Tonsil with TXNRD1 polyclonal antibody (Cat # PAB28426).

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

Immunohistochemical staining of human testis with TXNRD1 polyclonal antibody (Cat # PAB28426) shows strong cytoplasmic and nuclear positivity in leydig cells and basal cells in the seminiferous ducts.

Gene Info — TXNRD1

Entrez GeneID	7296
Protein Accession#	Q16881
Gene Name	TXNRD1
Gene Alias	GRIM-12, MGC9145, TR, TR1, TRXR1, TXNR
Gene Description	thioredoxin reductase 1
Omim ID	601112
Gene Ontology	Hyperlink

Gene Summary

This gene encodes a member of the family of pyridine nucleotide oxidoreductases. This protein reduces thioredoxins as well as other substrates, and plays a role in selenium metabolism and protection against oxidative stress. The functional enzyme is thought to be a homodimer which uses FAD as a cofactor. Each subunit contains a selenocysteine (Sec) residue which is required for catalytic activity. The selenocysteine is encoded by the UGA codon that normally signals translation termination. The 3' UTR of selenocysteine-containing genes have a common stem-loop structure, the sec insertion sequence (SECIS), that is necessary for the recognition of UGA as a Sec codon rather than as a stop signal. Alternative splicing results in several transcript variants encoding the same or different isoforms. [provided by RefSeq]

Other Designations

KM-102-derived reductase-like factor|oxidoreductase|thioredoxin reductase GRIM-12

Pathway

- [Pyrimidine metabolism](#)

Disease

- [Adenoma](#)
- [Alzheimer disease](#)
- [Amyotrophic lateral sclerosis](#)
- [Arsenic Poisoning](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Cognition](#)
- [Colorectal Neoplasms](#)
- [DNA Damage](#)
- [Genetic Predisposition to Disease](#)
- [Ovarian cancer](#)