

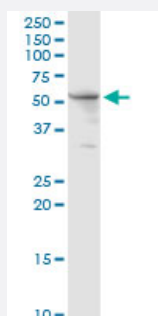
MaxPab®

TXNRD1 purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00007296-D01P

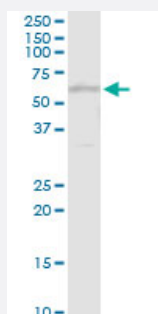
Size 100 ug

Applications



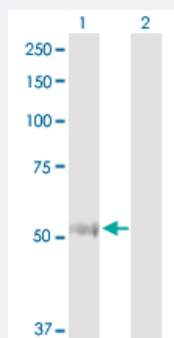
Western Blot (Tissue lysate)

TXNRD1 MaxPab rabbit polyclonal antibody. Western Blot analysis of TXNRD1 expression in human kidney.



Western Blot (Cell lysate)

TXNRD1 MaxPab rabbit polyclonal antibody. Western Blot analysis of TXNRD1 expression in HepG2.

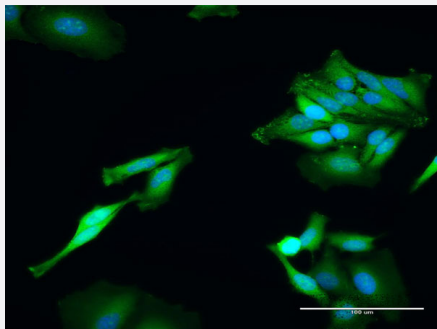


Western Blot (Transfected lysate)

Western Blot analysis of TXNRD1 expression in transfected 293T cell line ([H00007296-T02](#)) by TXNRD1 MaxPab polyclonal antibody.

Lane 1: TXNRD1 transfected lysate(54.50 KDa).

Lane 2: Non-transfected lysate.



Immunofluorescence

Immunofluorescence of purified MaxPab antibody to TXNRD1 on HeLa cell.
[antibody concentration 20 ug/ml]

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human TXNRD1 protein.
Immunogen	TXNRD1 (NP_877393.1, 1 a.a. ~ 497 a.a) full-length human protein.
Sequence	MNGPEDLPKSYDYDLIIIGGGSGGLAAAKEAAQYGKKVMVLDFTPTPLGTRWGLGGTCVNVGCI PKKLMHQAALLGQALQDSRNYGWKVEETVKHDWDRMIEAVQNHIGSLNWGYRVALREKKVVYE NAYGQFIGPHRIKATNNKGKEKIYSAERFLIATGERPRYLGI PGDKEYCISDDLFSLPYCPGKTLVV GASYVALECAGFLAGIGLDVTVMVRSILLRGFDQDMANKIGE HMEEHGIKFIRQFVPIKVEQIEAGT PGRLRVVAQSTNSEEIIEGEYNTVMLAIGRDACTRKIGLETVGVKINEKTGKIPVTDEEQTNVPYYAI GDILEDKVELTPVAIQAGRLLAQRLYAGSTVKCDYENVP TTVFTPLEYGACGLSEEKAVEKFGEEN IEVYHSYFWPLEWTIPSRDNNKC YAKIICNTKDNERNVVG FHVLPNAGEVTQGFAAALKCGLTKKQ LDSTIGHPVCAEVFTTSLSVTKRSGASILQAGC
Host	Rabbit
Reactivity	Human
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Tissue lysate)

TXNRD1 MaxPab rabbit polyclonal antibody. Western Blot analysis of TXNRD1 expression in human kidney.

[Protocol Download](#)

- Western Blot (Cell lysate)

TXNRD1 MaxPab rabbit polyclonal antibody. Western Blot analysis of TXNRD1 expression in HepG2.

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of TXNRD1 expression in transfected 293T cell line ([H00007296-T02](#)) by TXNRD1 MaxPab polyclonal antibody.

Lane 1: TXNRD1 transfected lysate(54.50 KDa).

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[Protocol Download](#)

- Immunofluorescence

Immunofluorescence of purified MaxPab antibody to TXNRD1 on HeLa cell. [antibody concentration 20 ug/ml]

Gene Info — TXNRD1

Entrez GeneID [7296](#)

GeneBank Accession# [NM_182729.1](#)

Protein Accession# [NP_877393.1](#)

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](#)