

TXNRD1 Blocking Peptide
Catalog # PBV10517b**Specification**

TXNRD1 Blocking Peptide - Product Information

Primary Accession	Q16881
Gene ID	5743
Calculated MW	70906

TXNRD1 Blocking Peptide - Additional Information**Gene ID** 7296**Application & Usage**

The peptide is used for blocking the antibody activity of TXNRD1 (Cat. No. 7005-100). It usually blocks the antibody activity completely in Western blot analysis by incubating the peptide with equal volume of antibody for 30-60 minutes at 37°C.

Other Names

Thioredoxin reductase 1, cytoplasmic, TR, 1.8.1.9, Gene associated with retinoic and interferon-induced mortality 12 protein, GRIM-12, Gene associated with retinoic and IFN-induced mortality 12 protein, KM-102-derived reductase-like factor, Thioredoxin reductase TR1, TXNRD1, GRIM12, KDRF

Target/Specificity

TNXR1

Formulation

50 µg (0.5 mg/ml) in PBS (pH 7.2) with 0.01 % BSA, 0.03 % ProClin® and 50 % glycerol

Reconstitution & Storage

-20 °C

Background Descriptions**Precautions**

TXNRD1 Blocking Peptide is for research use only and not for use in diagnostic or therapeutic procedures.

TXNRD1 Blocking Peptide - Protein Information**Name** TXNRD1 ([HGNC:12437](#))**Synonyms** GRIM12, KDRF

Function

Reduces disulfideprotein thioredoxin (Trx) to its dithiol- containing form (PubMed:8577704). Homodimeric flavoprotein involved in the regulation of cellular redox reactions, growth and differentiation. Contains a selenocysteine residue at the C-terminal active site that is essential for catalysis (Probable). Also has reductase activity on hydrogen peroxide (H2O2) (PubMed:10849437).

Cellular Location

[Isoform 1]: Cytoplasm [Isoform 5]: Cytoplasm

Tissue Location

[Isoform 1]: Expressed predominantly in Leydig cells (at protein level). Also expressed in ovary, spleen, heart, liver, kidney and pancreas and in a number of cancer cell lines

TXNRD1 Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

TXNRD1 Blocking Peptide - Images