

Goat anti-Thioredoxin Reductase 1 Antibody

Item Number	dAP-0351
Target Molecule	Principle Name: Thioredoxin Reductase 1; Official Symbol: TXNRD1; All Names and Symbols: TXNRD1; thioredoxin reductase 1; TR1; TXNR; GRIM-12; MGC9145; TR; TRXR1; KM-102-derived reductase-like factor; oxidoreductase; thioredoxin reductase GRIM-12; Accession Number (s): NP_003321.2; NP_877393.1; NP_877419.1; NP_877420.1; NP_001087240.1; Human Gene ID(s): 7296; Non-Human GeneID(s):
Immunogen	TKRSGASILQAGC, is from C Terminus This antibody is expected to recognise reported isoform 1 (NP_003321.2), isoform 2 (NP_877393.1; NP_877419.1; NP_877420.1) and isoform 3 (NP_001087240.1)
Applications	Pep ELISA, WB, IHC Species Tested: Human
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 32000.
Western Blot	Western Blot: Approx 60kDa band observed in Human Placenta lysates (predicted MW of 57kDa according to NP_003321). Recommended for use at 0.1-1µg/ml.
IHC	Immunohistochemistry: Paraffin embedded Human Testis and Spleen. Recommended concentration: 2.5µg/ml.
Reference	Reference(s): Gasdaska PY, Gasdaska JR, Cochran S, Powis G. Cloning and sequencing of a human thioredoxin reductase. FEBS Lett. 1995 Oct 2;373(1):5-9..PMID: 7589432->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**