

Rabbit Anti-Mouse Thioredoxin Reductase 1 (TXNRD1) Polyclonal Antibody

Cat. No.: VD2N78

Product Type: Animal-targeted Antibodies

Size: 100 µL; 200 µL; 1 mL

Product Overview

BioVenic rabbit polyclonal antibody is specific for mouse thioredoxin reductase 1. It is affinity purified by protein A. It can be applied to WB, IHC, ICC and IP assays of mouse thioredoxin reductase 1.

Specifications

Application	WB; IHC; ICC; IP
Clonality	Polyclonal
Classification	Primary Antibody
Clone	A13N56
Host	Rabbit
Target Species	Mouse
Species Reactivity	Mouse
Specificity	Mouse Thioredoxin Reductase 1
Isotype	IgG
Immunogen	Recombinant protein of mouse thioredoxin reductase 1
Purification	Protein A Purified
Concentration	0.5 mg/mL
Conjugation	Unconjugated
Preservative and Stabilizer	0.02% Sodium Azide
Buffer	Phosphate Buffered Saline, pH 7.4, with 50% Glycerol
Physical State	Liquid

Target Information

Mouse thioredoxin reductase 1 (TXNRD1) is a key enzyme involved in maintaining cellular redox balance. It catalyzes the reduction of thioredoxin, which is essential for protecting cells from oxidative stress and supporting various cellular processes. TXNRD1 is

expressed in multiple tissues and plays a crucial role in antioxidant defense, DNA synthesis, and cell proliferation. Its activity ensures the proper function of thioredoxin-dependent pathways, contributing to cellular homeostasis and protection against oxidative damage.

Target	Mouse Thioredoxin Reductase 1
Target Synonym	TrxR1; TR1; GRIM12; KDRF; TRXR-1; TXNR; Gene associated with retinoic and interferon-induced mortality 12 protein; KM-102-derived reductase-like factor
Gene ID	50493
UniProt ID	Q9JMH6

Shipping and Storage

This product is shipped with wet ice packs. Store at -20°C on receipt (up to 2 years). Avoid repeated freezing and thawing as this may denature the antibody.

The product is for research use only. Not for commercial, prophylactic, diagnostic, or therapeutic applications. Please determine the purpose of the product before purchasing. For further information and inquiry, please contact us.