TXNRD1 Conjugated Antibody

Catalog No: #C49585

Package Size: #C49585-AF350 100ul #C49585-AF405 100ul #C49585-AF488 100ul #C49585-AF555 100ul #C49585-AF594 100ul #C49585-AF647 100ul #C49585-AF680 100ul #C49585-AF750 100ul #C49585-Biotin 100ul

Orders: order@signalwayantibody.com
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Description

Product Name	TXNRD1 Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	cytoplasmic antibody Gene associated with retinoic and IFN-induced mortality 12 protein antibody Gene associated with retinoic and interferon-induced mortality 12 protein antibody Gene associated with retinoid IFN induced mortality 12 protein antibody GRIM 12 antibody GRIM-12 antibody GRIM12 antibody KDRF antibody KM 102 derived reductase like factor antibody KM-102-derived reductase-like factor antibody MGC9145 antibody Oxidoreductase antibody Thioredoxin reductase 1 antibody Thioredoxin reductase 1 cytoplasmic antibody Thioredoxin reductase GRIM 12 antibody Thioredoxin reductase TR1 antibody TR 1 antibody TR antibody TR1 antibody TRXR 1 antibody TRXR1 antibody TRXR1_HUMAN antibody TXNR antibody TXNRD 1 antibody Txnrd1 antibody
Accession No.	Swiss-Prot#:Q16881
Uniprot	Q16881
GeneID	7296;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	55 kDa
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

Background

Thioredoxin (Trx) is a redox protein that is found in several species, such as bacteria, plants and mammals, and contains a conserved active site, consisting of Trp-Cys-Gly-Pro-Cys. Trx reductases (TrxR1 and TrxR2) are ubiquitous Ly noble flavoproteins that catalyze the NADPH-dependent reduction of Trx as well as several other oxidized cellular components. Mammalian Trx reductases are a part of a selenium-containing pyridine nucleotide-disulphide oxidoreductase family, which has a conserved catalytic site of Cys-Val- Asn-Val-Gly-Cys. TrxR1 and TrxR2 are also involved in the prevention of oxidative stress. Inhibition of TrxR activity may provide for potential treatments of cancer, AIDS and other autoimmune diseases as well as bacterial infections and parasitic diseases.

Note: This product is for in vitro research use only