



Rabbit Anti-Human TRX monoclonal antibody, clone KN21-120 (DCABH-2760)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Target	Thioredoxin
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Clone	KN21-120
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	WB, ICC/IF, IHC, IP
Molecular Weight	12 kDa
Cellular Localization	Nucleus, Cytoplasm, Secreted.
Positive Control	SKOV-3, MCF-7, Hela, human lung tissue, human uterus tissue.
Format	Liquid
Size	100 µl
Buffer	1×TBS (pH7.4), 1% BSA, 40% Glycerol.
Preservative	0.05% Sodium Azide

Storage	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
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BACKGROUND

Introduction	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 has several biological functions. It acts as a hydrogen donor for ribonucleotide reductase, which is critical for DNA synthesis, and modulates the DNA-binding activity of several transcription factors, including NFkB, AP-1, p53, TFIIIC and glucocorticoid receptor. Trx also stimulates cell growth, is an inhibitor of apoptosis and plays a role in the protection against oxidative stress. Drugs that inhibit Trx have antitumor activity, suggesting that Trx is involved in a variety of human diseases, including cancer. TrxR is a ubiquitously expressed flavoprotein that catalyzes the NADPH-dependent reduction of Trx as well as several other oxidized cellular components.
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Keywords	ADF;ATL derived factor;ATL-derived factor;DKFZp686B1993;MGC61975;SASP;Surface associated sulphydryl protein;Surface-associated sulphydryl protein;testicular tissue protein Li 199;THIO_HUMAN;Thioredoxin;thioredoxin delta 3;TRDX;TRX 1;Trx;TRX1;TXN;TXN delta 3;TXN protein;zgc:92903 antibody
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GENE INFORMATION

Entrez Gene ID	7295
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UniProt ID	P10599
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