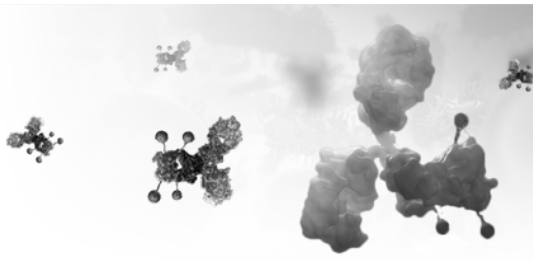

Anti-TXN monoclonal antibody, clone 7D21 (CABT-16453MH)

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

PRODUCT INFORMATION

Antigen Description	Thioredoxin is a 12-kD oxidoreductase enzyme containing a dithiol-disulfide active site. It is ubiquitous and found in many organisms from plants and bacteria to mammals. Multiple in vitro substrates for thioredoxin have been identified, including ribonuclease, choriogonadotropins, coagulation factors, glucocorticoid receptor, and insulin. Reduction of insulin is classically used as an activity test. Mouse monoclonal antibody raised against a partial recombinant TXN.
Immunogen	TXN (AAH03377, 1 a.a. ~ 106 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	7D21
Conjugate	Unconjugated
Applications	WB,IFA,sELISA,ELISA
Sequence Similarities	MVKQIESKTAFQEALDAAGDKLVVVDFSATWCGPCKMIKPFFHSLSEKYSNVIFLEVDVD DCQDVASECEVKCMPTFQFFKKGQKVGEFSGANKEKLEATINELV*
Size	100 µg
Buffer	In 1x PBS, pH 7.2
Preservative	None

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Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	TXN thioredoxin [Homo sapiens]
Official Symbol	TXN
Synonyms	thioredoxin; ATL-derived factor; TRX; DKFZp686B1993; Surface-associated sulphydryl protein; MGC61975; ADF; TRDX; SASP; TRX1; OTTHUMP00000021892; OTTHUMP00000021893
Entrez Gene ID	7295
Protein Refseq	NP_003320
UniProt ID	P10599
Chromosome Location	9q31
Pathway	Folic Acid Network, organism-specific biosystem; Folic Acid Network, organism-specific biosystem; Immune System, organism-specific biosystem; Inflammasomes, organism-specific biosystem; Innate Immunity Signaling, organism-specific biosystem; Metabolism of nucleotides, organism-specific biosystem
Function	electron carrier activity; peptide disulfide oxidoreductase activity; protein binding; protein disulfide oxidoreductase activity

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