

ARG57169 anti-TXN2 / Thioredoxin 2 antibody [1B1]

Package: 50 µl
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [1B1] recognizes TXN2 / Thioredoxin 2
Tested Reactivity	Hu
Tested Application	ICC/IF, WB
Host	Mouse
Clonality	Monoclonal
Clone	1B1
Isotype	IgG2b, kappa
Target Name	TXN2 / Thioredoxin 2
Species	Human
Immunogen	Recombinant fragment around aa. 60-166 of Human TXN2 / Thioredoxin-2
Conjugation	Un-conjugated
Alternate Names	TRX2; MT-TRX; Mt-Trx; Thioredoxin-2; Thioredoxin, mitochondrial; MTRX

Application Instructions

Application table	Application	Dilution
	ICC/IF	Assay-dependent
	WB	Assay-dependent
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

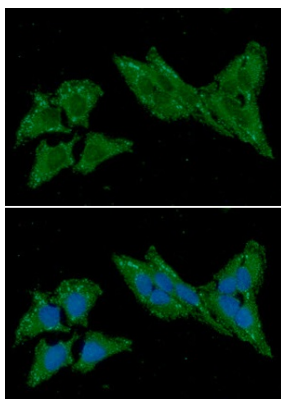
Properties

Form	Liquid
Purification	Purification with Protein A.
Buffer	PBS (pH 7.4), 0.02% Sodium azide and 10% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	10% Glycerol
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 25828 Human Swiss-port # Q99757 Human
Gene Symbol	TXN2
Gene Full Name	thioredoxin 2
Background	This nuclear gene encodes a mitochondrial member of the thioredoxin family, a group of small multifunctional redox-active proteins. The encoded protein may play important roles in the regulation of the mitochondrial membrane potential and in protection against oxidant-induced apoptosis. [provided by RefSeq, Jul 2008]
Function	Has an anti-apoptotic function and plays an important role in the regulation of mitochondrial membrane potential. Could be involved in the resistance to anti-tumor agents. Possesses a dithiol-reducing activity. [UniProt]
Calculated Mw	18 kDa

Images



ARG57169 anti-TXN2 / Thioredoxin 2 antibody [1B1] ICC/IF image

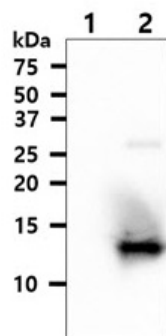
Immunofluorescence: HeLa cells line stained with ARG57169 anti-TXN2 / Thioredoxin 2 antibody [1B1] at 1:100 (Green).

DAPI (Blue) for nucleus staining.



ARG57169 anti-TXN2 / Thioredoxin 2 antibody [1B1] WB image

Western blot: 40 µg of 1) HepG2, 2) HeLa, 3) Raji, 4) K562, 5) Jurkat, 6) A431, 7) MCF7, and 8) THP1 cell lysates stained with ARG57169 anti-TXN2 / Thioredoxin 2 antibody [1B1] at 1:1000.



ARG57169 anti-TXN2 / Thioredoxin 2 antibody [1B1] WB image

Western blot: 50 ng of 1) Recombinant Human Thioredoxin1 protein, and 2) Recombinant Human Thioredoxin2 protein stained with ARG57169 anti-TXN2 / Thioredoxin 2 antibody [1B1] at 1:1000.