

Recombinant Anti-Thioredoxin 2 Rabbit mAb

Catalog # AP95193

Product Information

Application	WB, IHC, FC, IF/IC
Primary Accession	Q99757
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Monoclonal
Calculated MW	18383

Additional Information

Gene ID	25828
Other Names	TRX2; Thioredoxin, mitochondrial; MTRX; Mt-Trx; Thioredoxin-2
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within human Thioredoxin 2 protein. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500 FC~~1:10~50 IF/IC~~N/A
Format	Liquid in PBS, pH 7.3, 50% glycerol, 0.05% BSA, and 0.05% Proclin300.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

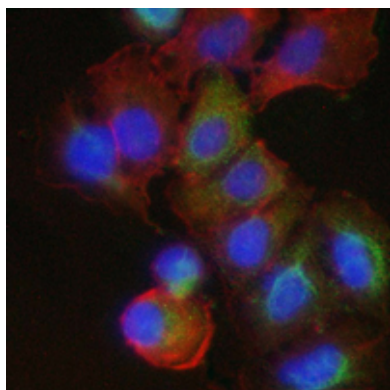
Protein Information

Name	TXN2
Synonyms	TRX2
Function	Important for the control of mitochondrial reactive oxygen species homeostasis, apoptosis regulation and cell viability (PubMed: 12032145 , PubMed: 12080052 , PubMed: 26626369) Is involved in various redox reactions including the reduction of protein disulfide bonds, through the reversible oxidation of its active center dithiol to a disulfide (By similarity).
Cellular Location	Mitochondrion
Tissue Location	Widely expressed in adult (at protein level) and fetal tissues.

Images



Western blot analysis of Thioredoxin 2 expression in Raji (A) whole cell lysates. (Predicted band size: 18 kD; Observed band size: 12 kD)



Immunofluorescent analysis of Thioredoxin 2 staining in Raji cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with an AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

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