

Anti-Thioredoxin 2 Monoclonal Antibody

Catalog # ABO14660

Product Information

Application	WB, IHC, IF, ICC, FC
Primary Accession	Q99757
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid
Description	Anti-Thioredoxin 2 Monoclonal Antibody . Tested in WB, IHC, ICC/IF, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat.

Additional Information

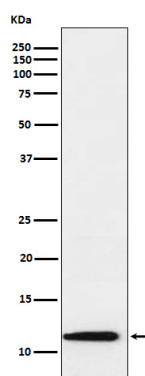
Gene ID	25828
Other Names	Thioredoxin, mitochondrial, MTRX, Mt-Trx, Thioredoxin-2, TXN2, TRX2
Calculated MW	18383
Application Details	WB 1:1000-1:5000 IHC 1:50-1:200 ICC/IF 1:50-1:200 FC 1:100
Source	Eukaryota
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Clone Names Immunogen	Clone: AEGD-20 A synthesized peptide derived from human Thioredoxin 2 Thioredoxins (Trx) are small, multi-functional proteins with oxidoreductase activity and are ubiquitous in essentially all living cells. Trx contains a redox-active disulfide/dithiol group within the conserved Cys-Gly-Pro-Cys active site.
Purification	Affinity-chromatography
Storage	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

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 cell lysate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.