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Thioredoxin 2 Rabbit mAb

Catalog # AP76171

Product Information

Application	WB, IHC-P, FC
Primary Accession	Q99757
Reactivity	Rat, Human, Mouse
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Purification	Affinity Purified
Calculated MW	18383

Additional Information

Gene ID	25828
Other Names	TXN2
Dilution	WB~~1:1000-1:5000 IHC-P~~N/A FC~~1:50-1:100
Format	Liquid in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

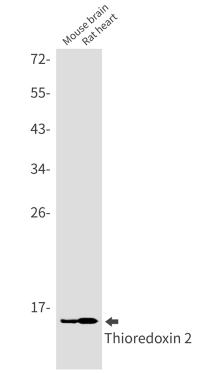
Protein Information

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.

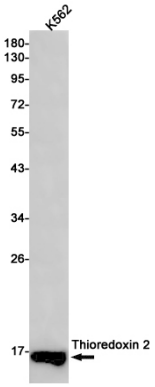
Background

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.

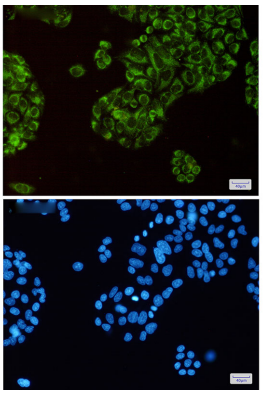
Images



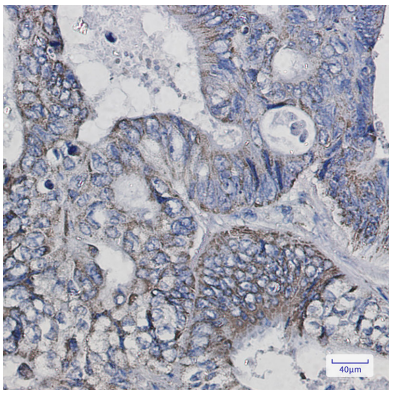
Western blot analysis of Thioredoxin 2 in mouse brain, rat heart lysates using Thioredoxin 2 antibody.



Western blot analysis of Thioredoxin 2 in K562 lysates using Thioredoxin 2 antibody.



Immunocytochemistry analysis of Thioredoxin 2(green) in Hela using Thioredoxin 2 antibody,and DAPI(blue)



Immunohistochemistry analysis of paraffin-embedded Human colon cancer using Thioredoxin 2 antibody.High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

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