

TXNL1 Rabbit mAb

Catalog # AP76217

Product Information

Application	WB, IHC-P, FC
Primary Accession	O43396
Reactivity	Rat, Human, Mouse
Host	Rabbit
Clonality	Monoclonal Antibody
Isotype	IgG
Conjugate	Unconjugated
Purification	Affinity Purified
Calculated MW	32251

Additional Information

Gene ID	9352
Other Names	TXNL1
Dilution	WB~~1:500-1:1000 IHC-P~~N/A FC~~1:10~50
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

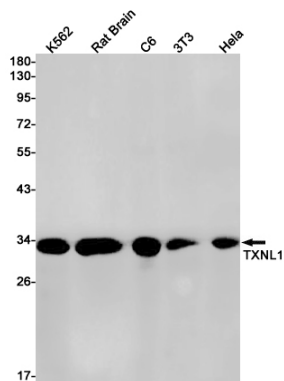
Name	TXNL1
Synonyms	TRP32, TXL, TXNL
Function	Active thioredoxin with a redox potential of about -250 mV.
Cellular Location	Cytoplasm. Nucleus. Note=At least 85% of the cellular TXNL1 is proteasome-associated
Tissue Location	Ubiquitous.

Background

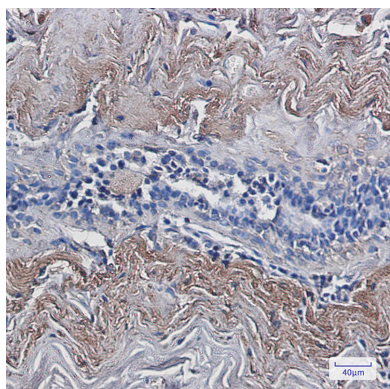
TXNL1(Thioredoxin-like protein 1) is also named as TRP32, TXL, TXNL and belongs to the thioredoxin family. It might be involved in the cellular response to sugar starvation stress. The predicted 289-amino acid, 32.

3-kD protein has 2 distinct domains: an N-terminal domain, which is 43% identical to human TXN, and a C-terminal domain, which showed no homology to other proteins in the sequence databases(PMID:9473519). TXNL1 functions as an effector of oxidants or redox sensor that couples oxidative stress to endocytosis, by converting redox changes into a specific GDI:Rab5-mediated endocytic response(PMID:17987124).

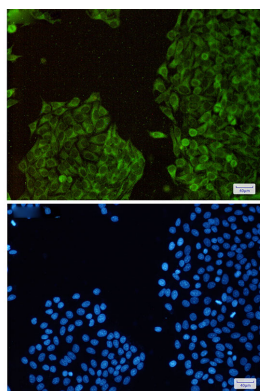
Images



Western blot analysis of TXNL1 in K562, rat Brain, C6, 3T3, HeLa lysates using Thioredoxin Like Protein 1 antibody.



Immunohistochemistry analysis of paraffin-embedded Human breast cancer using TXNL1 antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.



Immunocytochemistry analysis of TXNL1(green) in HeLa using TXNL1 antibody, and DAPI(blue)

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