

For Research Use Only

TXNL6 Polyclonal antibody

Catalog Number: 11203-1-AP **2 Publications**



Basic Information

Catalog Number: 11203-1-AP	GenBank Accession Number: BC014127	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 400 ug/ml by Nanodrop and 273 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 115861	Recommended Dilutions: WB 1:500-1:3000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC 1:20-1:200
Source: Rabbit	UNIPROT ID: Q96CM4	
Isotype: IgG	Full Name: nucleoredoxin-like 1	
Immunogen Catalog Number: AG1691	Calculated MW: 24 kDa	
	Observed MW: 26-28 kDa	

Applications

Tested Applications: WB, IP, IHC, ELISA	Positive Controls: WB : mouse brain tissue, HeLa cells IP : mouse brain tissue, IHC : human breast cancer tissue,
Cited Applications: WB, IF	
Species Specificity: human, mouse	
Cited Species: human, pig	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

TXNL6, also named as NXNL1, belongs to the nucleoredoxin family. It may play a role in cone cell viability, slowing down cone degeneration, does not seem to play a role in degenerating rods. TXNL6 is a Novel Oxidative Stress-Induced Reducing System for Methionine Sulfoxide Reductase A Repair of a-Crystallin and Cytochrome C in the Eye Lens. It serve as a reducing system for MsrA repair of the essential lens chaperone a-crystallin/sHSP and mitochondrial cytochrome c. TXNL6 is induced at high levels in human lens epithelial cells exposed to H2O2-induced oxidative stress.(PMID:21079812)

Notable Publications

Author	Pubmed ID	Journal	Application
Brennan Lisa A LA	21079812	PLoS One	WB,IF
Wei Wang	27050517	Cell Rep	IF

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

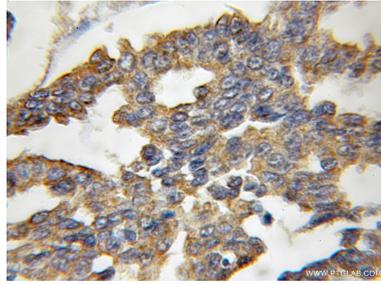
For technical support and original validation data for this product please contact:
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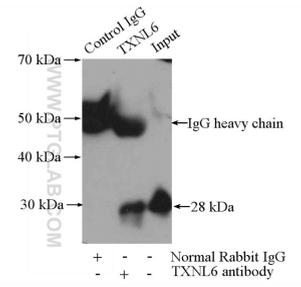
Selected Validation Data



mouse brain tissue were subjected to SDS PAGE followed by western blot with 11203-1-AP (TXNL6 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast cancer using 11203-1-AP (TXNL6 antibody) at dilution of 1:100 (under 10x lens).



IP result of anti-TXNL6 (IP:11203-1-AP, 4ug; Detection:11203-1-AP 1:500) with mouse brain tissue lysate 4000ug.