

For Research Use Only

# TXNL6 Polyclonal antibody

Catalog Number: 11203-1-AP

2 Publications



## Basic Information

### Catalog Number:

11203-1-AP

### Size:

150ul, Concentration: 400 ug/ml by Nanodrop and 273 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG1691

### GenBank Accession Number:

BC014127

### GeneID (NCBI):

115861

### UNIPROT ID:

Q96CM4

### Full Name:

nucleoredoxin-like 1

### Calculated MW:

24 kDa

### Observed MW:

26-28 kDa

### Purification Method:

Antigen affinity purification

### 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

## Applications

### Tested Applications:

WB, IP, IHC, ELISA

### 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**

### Positive Controls:

WB : mouse brain tissue, HeLa cells

IP : mouse brain tissue,

IHC : human breast cancer tissue,

## 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

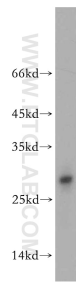
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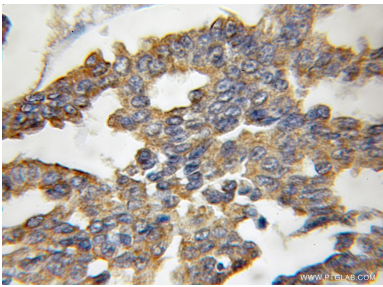
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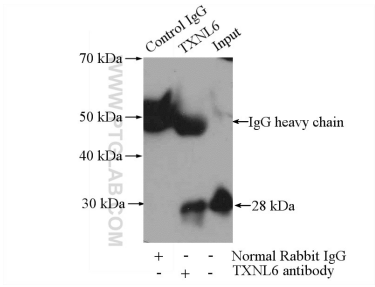
Selected Validation Data



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.