

For Research Use Only

# TRX2 Polyclonal antibody

Catalog Number: 13089-1-AP

Featured Product

28 Publications



## Basic Information

<b>Catalog Number:</b> 13089-1-AP	<b>GenBank Accession Number:</b> BC013726	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 400 µg/ml by Nanodrop and 247 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 25828	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IHC 1:20-1:200
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q99757	
<b>Isotype:</b> IgG	<b>Full Name:</b> thioredoxin 2	
<b>Immunogen Catalog Number:</b> AG3640	<b>Calculated MW:</b> 166 aa, 18 kDa	
	<b>Observed MW:</b> 12 kDa	

## Applications

<b>Tested Applications:</b> IHC, WB, ELISA	<b>Positive Controls:</b> WB : Raji cells, human liver tissue IHC : human pancreas cancer tissue,
<b>Cited Applications:</b> WB,IHC,IF	
<b>Species Specificity:</b> human, mouse, rat	
<b>Cited Species:</b> human, rat, mouse	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

TXN2 (Thioredoxin-2) is also named as TRX2, MTRX, Mt-TRX and regulates the mitochondrial redox state and plays an important role in cell proliferation. It has been shown that cells conditionally deficient in Trx2 undergo apoptosis in the absence of exogenous stress, accompanied by an accumulation of intracellular ROS, the activation of caspase 9 and caspase 3, and the release of cytochrome c into the cytosol. In the retina, the expression profile and the role of Trx2 have not yet been defined (PMID: 18441302).

## Notable Publications

Author	Pubmed ID	Journal	Application
Kun-Yi Li	32920833	J Neurochem	WB,IF
Ester Aso	27567873	J Alzheimers Dis	WB
Lisa Arodin	24270206	J Alzheimers Dis	

## 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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