For Research Use Only

TRX2 Polyclonal antibody

Catalog Number: 13089-1-AP

Featured Product

28 Publications



Purification Method:

WB 1:500-1:2000

IHC 1:20-1:200

Antigen affinity purification

Recommended Dilutions:

Basic Information

Catalog Number:

13089-1-AP

Size:

GenBank Accession Number:

BC013726

GeneID (NCBI):

150ul , Concentration: 400 µg/ml by 25828

Nanodrop and 247 $\mu g/ml$ by Bradford UNIPROT ID: method using BSA as the standard;

Q99757

Source: Rabbit

Isotype

Full Name: thioredoxin 2 Calculated MW:

Immunogen Catalog Number:

166 aa, 18 kDa Observed MW:

AG3640

12 kDa

Applications

Tested Applications:

IHC, WB, ELISA

Cited Applications:

WB,IHC,IF

Species Specificity:

human, mouse, rat

Cited Species:

human, rat, mouse

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: Raji cells, human liver tissue

IHC: human pancreas cancer tissue,

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.

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

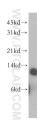
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

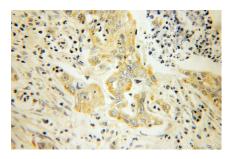
E: proteintech@ptglab.com W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Raji cells were subjected to SDS PAGE followed by western blot with 13089-1-AP (TRX2 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffinembedded human pancreas cancer using 13089-1-AP (TRX2 antibody) at dilution of 1:100 (under 10x lens).