

TRX2 Polyclonal Antibody

Catalog number: 13089-1-AP

Size: 37 µg/150 µl

Source: Rabbit

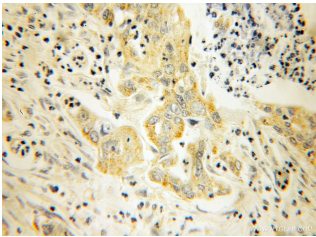
Isotype: IgG

Synonyms:

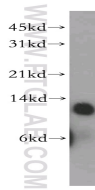
TXN2; MT TRX, MTRX,

Thioredoxin 2, Thioredoxin,

mitochondrial, TRX2, TXN2



Immunohistochemical of paraffin-embedded human pancreas cancer using 13089-1-AP (TRX2, TXN2 antibody) at dilution of 1:100 (under 10x lens)



Raji cells were subjected to SDS PAGE followed by western blot with 13089-1-AP (TRX2, TXN2 antibody) at dilution of 1:500

Background

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).

Applications

Tested applications:	ELISA, WB, IHC
Cited applications:	IF, IHC, WB
Species specificity:	Human, Mouse, Rat; other species not tested.
Cited species:	Human, mouse, rat
Calculated TRX2 MW:	166aa, 18 kDa
Observed TRX2 MW:	12 kDa
Positive WB detected in	Raji cells, human liver tissue
Positive IHC detected in	Human pancreas cancer tissue
Recommended dilution:	WB: 1:500-1:5000 IHC: 1:20-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag3640
GenBank accession number:	BC013726
Gene ID (NCBI):	25828
Full name:	Thioredoxin 2

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.