

FDX1

Polyclonal ANTIBODY

Catalog Number: 12592-1-AP

Featured Product

2 Publications

Basic Information

Catalog Number:
12592-1-AP

Size:
80 µg/150 µl

Source:
Rabbit

Isotype:
IgG

Purification Method:
Antigen affinity purification

Immunogen Catalog Number:
AG3301

GenBank Accession Number:
BC017063

GeneID (NCBI):
2230

Full Name:
ferredoxin 1

Calculated MW:
184aa, 19 kDa

Observed MW:
14 kDa

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:20-1:200

IF 1:20-1:200

Applications

Tested Applications:

IF, IHC, WB, ELISA

Cited Applications:

WB

Species Specificity:

human,mouse,rat

Cited Species:

human

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 : HepG2 cells; A549 cells, HEK-293 cells, PC-3 cells

IHC : human kidney tissue; human liver tissue

IF : HepG2 cells;

Background Information

FDX1(Ferredoxin-1) is also named as ADX, FDX YAH1, LOH11CR1D and belongs to the adrenodoxin/putidaredoxin family. It is a small iron-sulfur protein that transfers electrons from NADPH through ferredoxin reductase to a terminal cytochrome P450 and it can only reduce mitochondrial CYP enzymes that are essential in adrenal steroidogenesis, bile acid formation, and vitamin D synthesis. The full length has a transit peptide of 60 amino acid.

Notable Publications

Author	Pubmed ID	Journal	Application
Peter Tsvetkov	31133756	Nat Chem Biol	WB
Li Shao	25989843	Reprod Fertil Dev	

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.1% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

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)

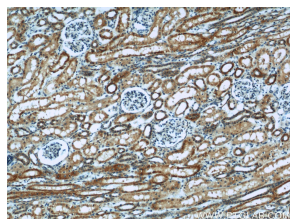
E: proteintech@ptglab.com
 W: ptglab.com

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

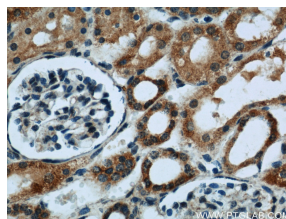
Selected Validation Data



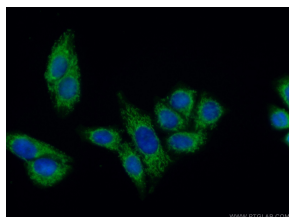
HepG2 cells were subjected to SDS PAGE followed by western blot with 12592-1-AP(FDX1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours



Immunohistochemical analysis of paraffin-embedded human kidney using 12592-1-AP(FDX1 antibody) at dilution of 1:50 (under 10x lens)



Immunohistochemical analysis of paraffin-embedded human kidney using 12592-1-AP(FDX1 antibody) at dilution of 1:50 (under 40x lens)



Immunofluorescent analysis of (10% Formaldehyde) fixed HepG2 cells using 12592-1-AP(FDX1 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)