

For Research Use Only

# FDX1 Recombinant antibody

Catalog Number: 82957-1-RR



## Basic Information

<b>Catalog Number:</b> 82957-1-RR	<b>GenBank Accession Number:</b> BC017063	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 2230	<b>CloneNo.:</b> 230196B12
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P10109	<b>Recommended Dilutions:</b> WB 1:2000-1:10000 IF 1:50-1:500
<b>Isotype:</b> IgG	<b>Full Name:</b> ferredoxin 1	
<b>Immunogen Catalog Number:</b> AG3301	<b>Calculated MW:</b> 184 aa, 19 kDa	
	<b>Observed MW:</b> 14 kDa	

## Applications

<b>Tested Applications:</b> FC, IF, WB, ELISA	<b>Positive Controls:</b> WB : A549 cells, HepG2 cells, HEK-293 cells, PC-3 cells IF : HepG2 cells,
<b>Species Specificity:</b> Human	

## 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 acids.

## Storage

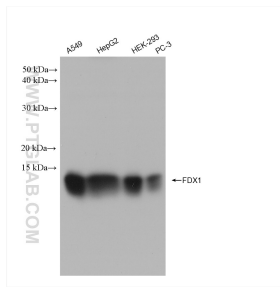
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

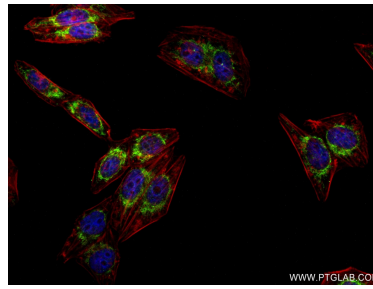
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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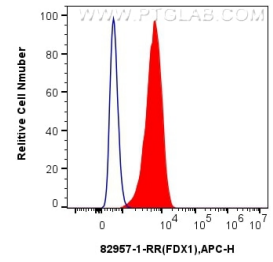
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 82957-1-RR (FDX1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using FDX1 antibody (82957-1-RR, Clone: 230196B12) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



$1 \times 10^6$  A431 cells were intracellularly stained with 0.25  $\mu$ g Anti-Human FDX1 (82957-1-RR, Clone:230196B12) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25  $\mu$ g Rabbit IgG control Rabbit PolyAb (30000-0-AP) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).