

For Research Use Only

FDX1 Recombinant antibody, PBS Only

Catalog Number: 82957-1-PBS

Featured Product



Basic Information

Catalog Number:

82957-1-PBS

Size:

100ug, Concentration: 1mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3301

GenBank Accession Number:

BC017063

GeneID (NCBI):

2230

UNIPROT ID:

P10109

Full Name:

ferredoxin 1

Calculated MW:

184 aa, 19 kDa

Observed MW:

14 kDa

Purification Method:

Protein A purification

CloneNo.:

230196B12

Applications

Tested Applications:

WB, IF/ICC, FC (Intra), Indirect ELISA

Species Specificity:

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 -80°C.

Storage Buffer:

PBS Only

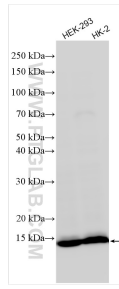
For technical support and original validation data for this product please contact:

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

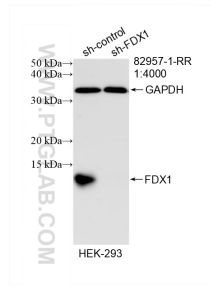
E: proteintech@ptglab.com
W: ptglab.com

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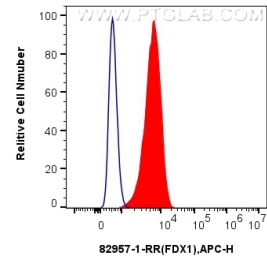
Selected Validation Data



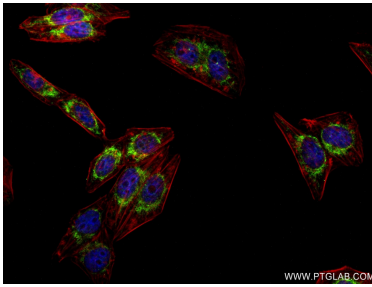
Various lysates were subjected to SDS PAGE followed by western blot with 82957-1-RR (FDX1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 82957-1-PBS in a different storage buffer formulation.



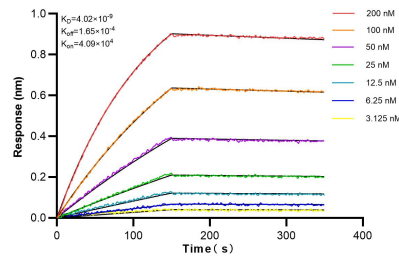
WB result of FDX1 antibody (82957-1-RR; 1:4000; incubated at room temperature for 1.5 hours) with sh-Control and sh-FDX1 transfected HEK-293 cells. This data was developed using the same antibody clone with 82957-1-PBS in a different storage buffer formulation.



1×10^6 A431 cells were intracellularly stained with 0.25 μ g Anti-Human FDX1 (82957-1-RR, Clone:230196B12) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 μ 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). This data was developed using the same antibody clone with 82957-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 82957-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 82957-1-RR against Human FDX1 were performed. The affinity constant is 4.02 nM.