For Research Use Only

FDX1 Recombinant antibody, PBS Only

Catalog Number:82957-2-PBS Featured Product

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Uni-rAb
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Basic Information

Catalog Number:
82957-2-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.:
230196E9

Applications

Tested Applications:
WB, IHC, IF/ICC, FC (Intra), Indirect ELISA

Species Specificity:
human

Background Information

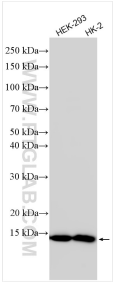
FDX1(Ferredoxin-1) is also named as ADX, FDX, YAH1, LOH11CR1D and belongs to the adrenodoxin/putidaredoxin family. It is a small iron-sulfur protein that transfers electrons from NADPH through ferredoxin reductase to a terminal cytochrome P450 and it can only reduce mitochondrial CYP enzymes that are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

Storage

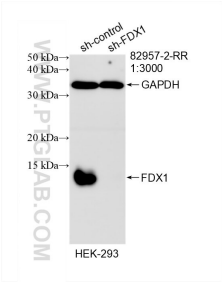
Storage:
Store at -80°C.
Storage Buffer:
PBS Only

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

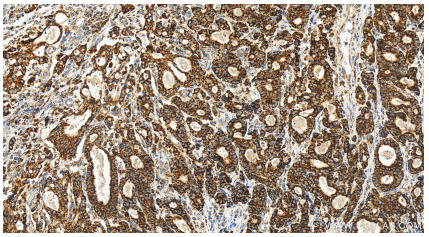
Selected Validation Data



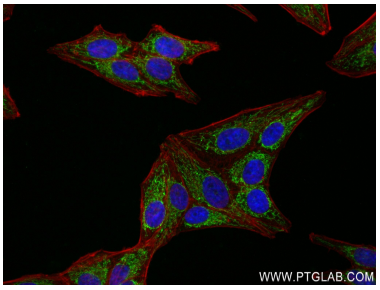
Various lysates were subjected to SDS PAGE followed by western blot with 82957-2-RR (FDX1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 82957-2-PBS in a different storage buffer formulation.



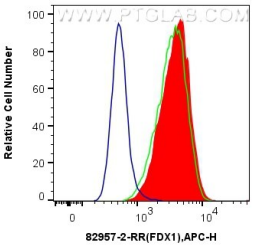
WB result of FDX1 antibody (82957-2-RR; 1:3000; incubated at room temperature for 1.5 hours) with sh-Control and sh-FDX1 transfected HEK-293 cells. This data was developed using the same antibody clone with 82957-2-PBS in a different storage buffer formulation.



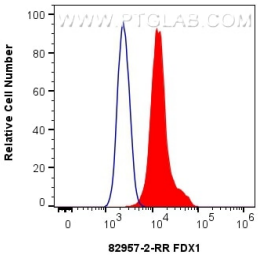
Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 82957-2-RR (FDX1 antibody) at dilution of 1:400 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer(pH9). This data was developed using the same antibody clone with 82957-2-PBS in a different storage buffer formulation.



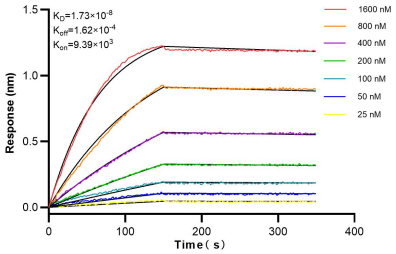
Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using FDX1 antibody (82957-2-RR, Clone: 230196E9) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red). This data was developed using the same antibody clone with 82957-2-PBS in a different storage buffer formulation.



1x10^6 HepG2 cells were intracellularly stained with 0.25 ug FDX1 Recombinant antibody (82957-2-RR, Clone:230196E9) and APC-Conjugated Goat Anti-Rabbit IgG(H+L) (red), or 0.25 ug Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) (blue), or 0.25 ug FDX1 Recombinant antibody (82957-2-RR, Clone: 230196E9) (green). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C). This data was developed using the same



1x10^6 A431 cells were intracellularly stained with 0.4 ug FDX1 Recombinant antibody (82957-2-RR, Clone:230196E9) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.4 ug Isotype Control (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 82957-2-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 82957-2-RR against Human FDX1 were performed. The affinity constant is 17.3 nM.