For Research Use Only

FDXR Recombinant antibody

Catalog Number:86431-1-RR

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
86431-1-RR

Concentration:
1000 μg/ml

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG7145

GenBank Accession Number:
BC063493

GeneID (NCBI):
2232

UNIPROT ID:
P22570

Full Name:
ferredoxin reductase

Calculated MW:
54 kDa

Observed MW:
50 kDa

Purification Method:
Protein A purification

CloneNo.:
251211C10

Recommended Dilutions:
WB: 1:5000-1:50000

Applications

Tested Applications:
WB, ELISA

Species Specificity:
human, mouse

Positive Controls:

WB : HepG2 cells, mouse testis tissue

Background Information

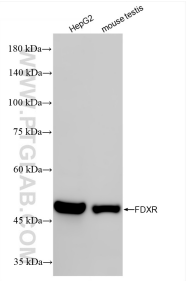
Ferredoxin reductase (FDXR, also known as adrenodoxin reductase) is a mitochondrial membrane-associated flavoprotein. One of its functions is to transfer electrons from NADPH to the two human ferredoxin proteins, FDX1 and FDX2. FDXR is expressed in all tissues with the highest expression in tissues such as the adrenal cortex, that specialize in steroid hormone synthesis. Functionally, FDXR is suggested to be involved in various Functionally, FDXR is suggested to be involved in various. Notably, recent studies have shown that FDXR mutations are associated with mitochondrial disorders, probably due to its role in iron-sulfur cluster protein biosynthesis (PMID: 32304229). FDXR has 7 isoforms with the molecular weight of 48-58 kDa.

Storage

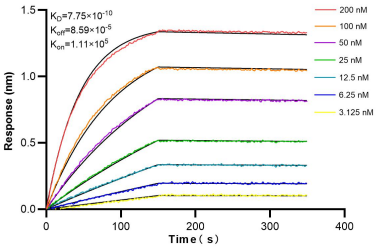
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86431-1-RR (FDXR antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 86431-1-RR against Human FDXR were performed. The affinity constant is 77.5 pM.