

For Research Use Only

FDXR Recombinant antibody, PBS Only

Catalog Number: 86431-1-PBS



Basic Information

Catalog Number:	86431-1-PBS	GenBank Accession Number:	BC063493	Purification Method:	Protein A purification
Size:	100ug, Concentration: 1 mg/ml by Nanodrop;	GenID (NCBI):	2232	CloneNo.:	251211C10
Source:	Rabbit	UNIPROT ID:	P22570		
Isotype:	IgG	Full Name:	ferredoxin reductase		
Immunogen Catalog Number:	AG7145	Calculated MW:	54 kDa		
		Observed MW:	50 kDa		

Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

human, mouse

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 -80°C.

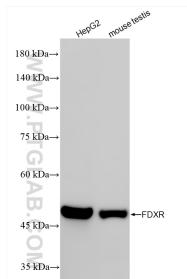
Storage Buffer:

PBS only, pH7.3

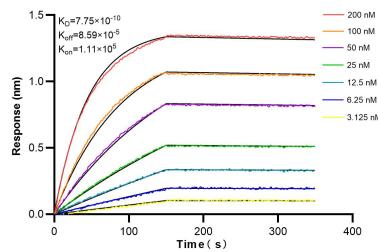
For technical support and original validation data for this product please contact:
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Selected Validation Data



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. This data was developed using the same antibody clone with 86431-1-PBS in a different storage buffer formulation.



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