

For Research Use Only

FDXR Recombinant antibody

Catalog Number: 86431-1-RR



Basic Information

Catalog Number:	86431-1-RR	GenBank Accession Number:	BC063493	Purification Method:	Protein A purification
Size:	100ul, Concentration: 1000 µg/ml by Nanodrop;	GenID (NCBI):	2232	CloneNo.:	251211C10
Source:	Rabbit	UNIPROT ID:	P22570	Recommended Dilutions:	WB: 1:5000-1:50000
Isotype:	IgG	Full Name:	ferredoxin reductase		
Immunogen Catalog Number:	AG7145	Calculated MW:	54 kDa		
		Observed MW:	50 kDa		

Applications

Tested Applications:	Positive Controls:
WB, ELISA	WB: HepG2 cells, mouse testis tissue
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

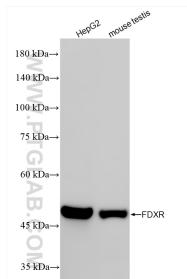
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

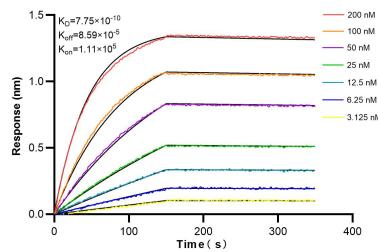
For technical support and original validation data for this product please contact:
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Selected Validation Data



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.



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