

For Research Use Only

NDUFA1 Recombinant antibody, PBS Only

Catalog Number: 86470-1-PBS



Basic Information

Catalog Number:	86470-1-PBS	GenBank Accession Number:	BC000266	Purification Method:	Protein A purification
Concentration:	1000 µg/ml	GeneID (NCBI):	4694	CloneNo.:	251084A5
Source:	Rabbit	UNIPROT ID:	O15239		
Isotype:	IgG	Full Name:	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 1, 7.5kDa		
Immunogen Catalog Number:	AG7206	Calculated MW:	7.5 kDa		
		Observed MW:	8 kDa		

Applications

Tested Applications:
WB, IHC, Indirect ELISA

Species Specificity:
human, mouse, rat

Background Information

NDUFA1, also known as NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 1, it's part of the NADH dehydrogenase (ubiquinone) 1 alpha subcomplex. The NDUFA1 gene encoding the MWFE polypeptide is located on the X chromosome. The NDUFA1 gene product (MWFE protein) is essential for activity of complex I in mammalian mitochondria, and it is predicted to be a membrane protein (PMID: 10200266).

Storage

Storage:
Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS only, pH7.3

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

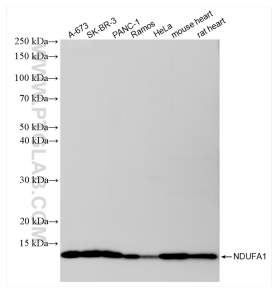
T: 4006900926

E: Proteintech-CN@ptglab.com

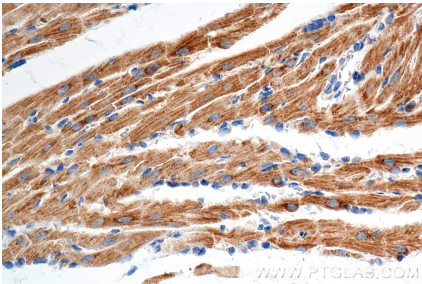
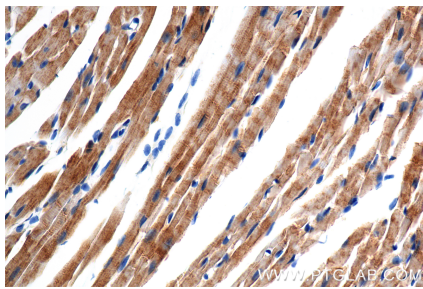
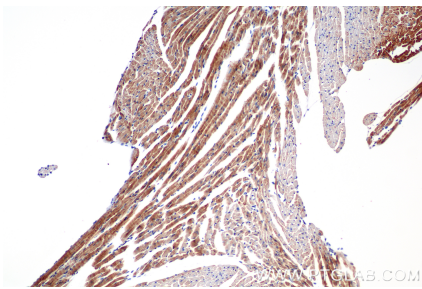
W: ptgcn.com

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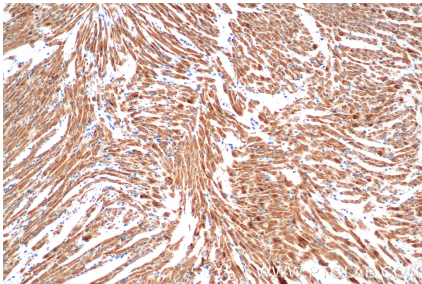
Selected Validation Data



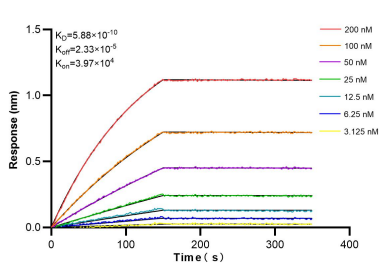
Various lysates were subjected to SDS PAGE followed by western blot with 86470-1-RR (NDUFA1 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86470-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded rat heart tissue slide using 86470-1-RR (NDUFA1 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 86470-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded rat heart tissue slide using 86470-1-RR (NDUFA1 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 86470-1-PBS in a different storage buffer formulation.



Bi-layer interferometry (BLI) kinetic assays of 86470-1-RR against Human NDUF A1 were performed. The affinity constant is 0.588 nM.