

For Research Use Only

NDUFA1 Recombinant antibody

Catalog Number: 86470-1-RR



Basic Information

Catalog Number: 86470-1-RR	GenBank Accession Number: BC000266	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 4694	CloneNo.: 251084A5
Source: Rabbit	UNIPROT ID: O15239	Recommended Dilutions: WB: 1:5000-1:50000 IHC: 1:500-1:2000
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, ELISA

Species Specificity:

human, mouse, rat

Note-IHC: suggested antigen retrieval with *TE buffer pH 9.0*; (*) Alternatively, antigen retrieval may be performed with *citrate buffer pH 6.0*

Positive Controls:

WB : A-673 cells, SK-BR-3 cells, PANC-1 cells, Ramos cells, HeLa cells, mouse heart tissue, rat heart tissue

IHC : mouse heart tissue, rat heart tissue

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 -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**

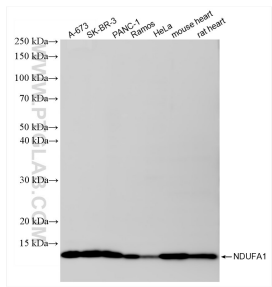
For technical support and original validation data for this product please contact:

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

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

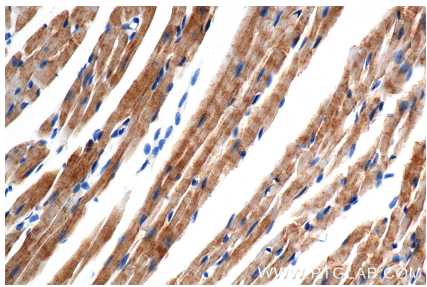
Selected Validation Data



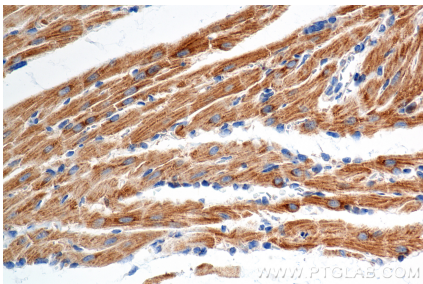
Various lysates were subjected to SDS PAGE followed by western blot with 86470-1-RR (NDUFA1 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



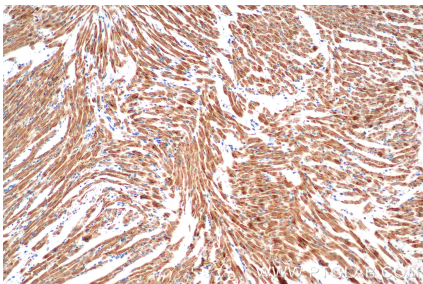
Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 86470-1-RR (NDUFA1 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



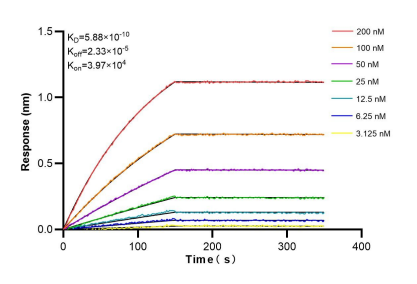
Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 86470-1-RR (NDUFA1 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).



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).



Bilayer interferometry (BLI) kinetic assays of 86470-1-RR against Human NDUFA1 were performed. The affinity constant is 0.588 nM.