

For Research Use Only

NDUFA9 Recombinant monoclonal antibody

Catalog Number: 87143-2-RR



Basic Information

Catalog Number: 87143-2-RR	GenBank Accession Number: BC009311	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 4704	CloneNo.: 252374E1
Isotype: IgG	UNIPROT ID: Q16795	Recommended Dilutions: WB: 1:5000-1:50000 IHC: 1:500-1:2000 IF/ICC: 1:250-1:1000
Immunogen Catalog Number: AG16832	Full Name: NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 9, 39kDa	
	Calculated MW: 377 aa, 43 kDa	
	Observed MW: 35 kDa	

Applications

Tested Applications:
WB, IHC, IF/ICC, 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 : HeLa cells, HepG2 cells, mouse heart tissue, rat heart tissue

IHC : Human lung cancer (Adenocarcinoma) , mouse heart tissue

IF/ICC : HeLa cells,

Background Information

NDUFA9 (NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 9, mitochondrial) is also named as NDUFS2L, CI-39kD and belongs to the complex I NDUFA9 subunit family. It is involved in stabilizing the junction between membrane and matrix arms of complex I, a late assembly step critical for complex I biogenesis and activity.

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:

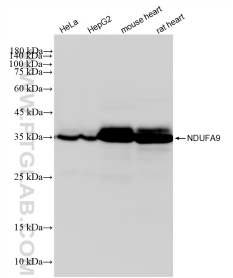
T: 4006900926

E: Proteintech-CN@ptglab.com

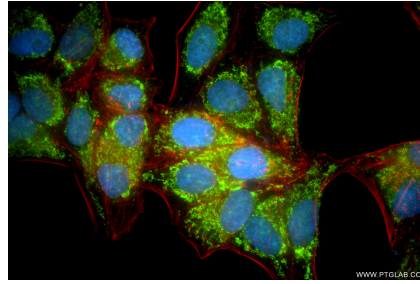
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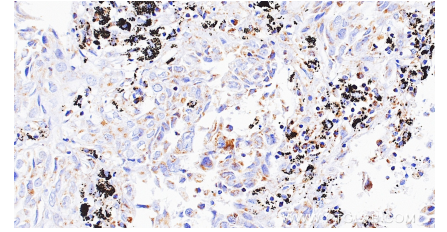
Selected Validation Data



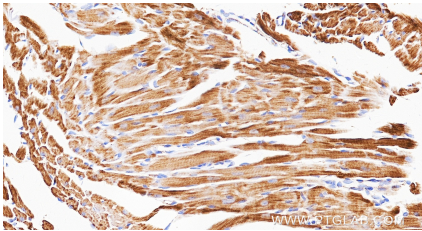
Various lysates were subjected to SDS PAGE followed by western blot with 87143-2-RR (NDUFA9 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using NDUFA9 antibody (87143-2-RR, Clone: 252374E1) at dilution of 1:500 and Coralite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



Immunohistochemical analysis of paraffin-embedded Human lung cancer (Adenocarcinoma) slide using 87143-2-RR (NDUFA9 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 mouse heart tissue slide using 87143-2-RR (NDUFA9 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).