

For Research Use Only

NDUFA9 Polyclonal antibody

Catalog Number: 29621-1-AP



Basic Information

Catalog Number: 29621-1-AP	GenBank Accession Number: BC009311	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 550 µg/ml by Nanodrop;	GeneID (NCBI): 4704	Recommended Dilutions: WB 1:500-1:2000 IHC 1:50-1:500
Source: Rabbit	Full Name: NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 9, 39kDa	
Isotype: IgG	Calculated MW: 377 aa, 43 kDa	
Immunogen Catalog Number: AG31222	Observed MW: 35 kDa	

Applications

Tested Applications:

IHC, WB, 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, U2OS cells, mouse heart tissue, mouse skeletal muscle tissue, rat skeletal muscle tissue

IHC: human hepatocirrhosis tissue,

Background Information

NDUFA9 (NADH: ubiquinone oxidoreductase subunit A9), also named as NDUFS2L, belongs to the complex I NDUFA9 subunit family. NDUFA9 gene encodes a subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (complex I). Instead of being implicated in the catalysis, NDUFA9 is required for proper assembly of the complex I (PMID: 34938809). The predicted molecular weight of NDUFA9 is 42 kDa. With modification, the MW of NDUFA9 will be migrated to 35 kDa.

Storage

Storage:

Store at -20°C.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

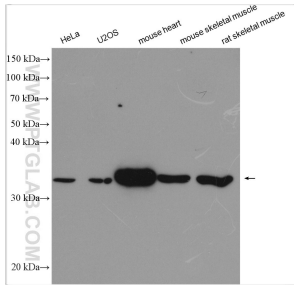
For technical support and original validation data for this product please contact:

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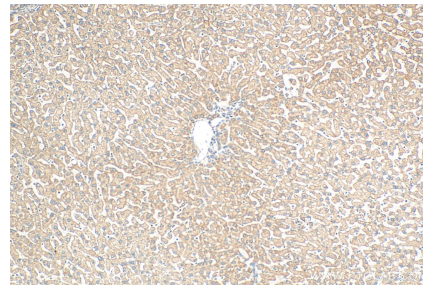
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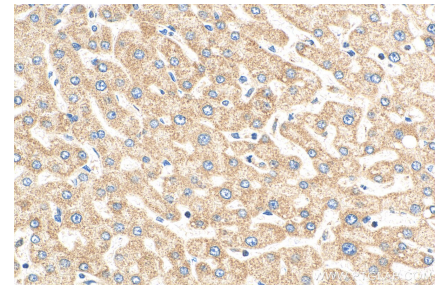
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 29621-1-AP (NDUFA9 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human hepatocirrhosis tissue slide using 29621-1-AP (NDUFA9 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human hepatocirrhosis tissue slide using 29621-1-AP (NDUFA9 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).