

NDUFA9 Polyclonal antibody

Catalog Number: 29621-1-AP

Basic Information

Catalog Number:

29621-1-AP

Size:

550 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG31222

GenBank Accession Number:

BC009311

GeneID (NCBI):

4704

UNIPROT ID:

Q16795

Full Name:

NADH dehydrogenase (ubiquinone) 1
alpha subcomplex, 9, 39kDa

Calculated MW:

377 aa, 43 kDa

Observed MW:

35 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:50-1:500

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:

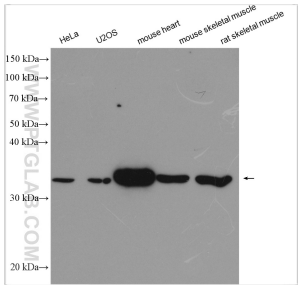
Store at -20°C.

Storage Buffer:

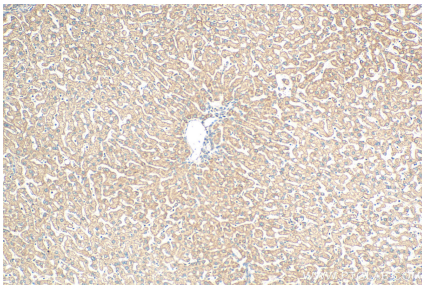
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

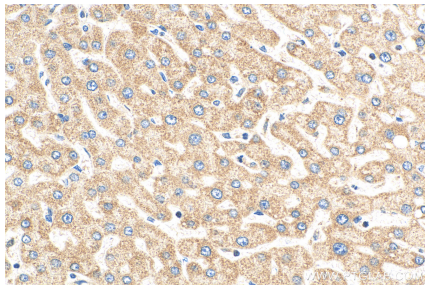
Selected Validation Data



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).