

For Research Use Only

# NDUFA9 Polyclonal antibody

Catalog Number: 20312-1-AP

25 Publications



## Basic Information

<b>Catalog Number:</b> 20312-1-AP	<b>GenBank Accession Number:</b> BC009311	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 650 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 4704	<b>Recommended Dilutions:</b> WB 1:1000-1:6000 IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q16795	
<b>Isotype:</b> IgG	<b>Full Name:</b> NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 9, 39kDa	
<b>Immunogen Catalog Number:</b> AG14150	<b>Calculated MW:</b> 377 aa, 43 kDa	
	<b>Observed MW:</b> 35 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> WB, IHC	<b>WB :</b> HeLa cells, mouse heart tissue, rat heart tissue
<b>Species Specificity:</b> human, mouse, rat	<b>IHC :</b> mouse liver tissue,
<b>Cited Species:</b> human, mouse, pig, zebrafish	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## 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.

## Notable Publications

Author	Pubmed ID	Journal	Application
Yujie Li	31563988	Arch Toxicol	WB
Yingying Shi	34489398	Cell Death Dis	WB
Meng Ding	35709007	Diabetes	WB

## Storage

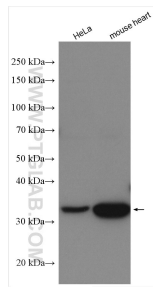
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

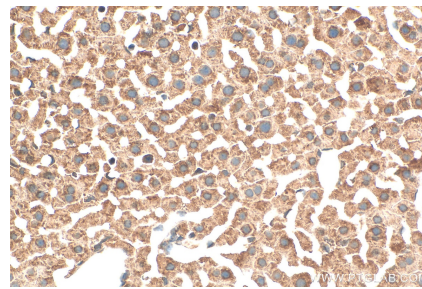
For technical support and original validation data for this product please contact:  
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 20312-1-AP (NDUFA9 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 20312-1-AP (NDUFA9 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).