

For Research Use Only

ND1 Polyclonal antibody

Catalog Number: 19703-1-AP

Featured Product

81 Publications



Basic Information

Catalog Number:

19703-1-AP

Size:

150ul, Concentration: 600 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NC_012920

GeneID (NCBI):

4535

UNIPROT ID:

P03886

Full Name:

NADH dehydrogenase, subunit 1 (complex I)

Calculated MW:

36 kDa

Observed MW:

28-38 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:8000

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse

Cited Species:

human, mouse, rat, pig, hamster

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: mouse brain tissue, mouse liver tissue, mouse heart tissue, mouse kidney tissue, mouse liver mitochondria

IHC: human liver tissue,

Background Information

ND1 belongs to the complex I subunit 1 family. ND1 is a core subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I) that is believed to belong to the minimal assembly required for catalysis. Complex I functions in the transfer of electrons from NADH to the respiratory chain. The immediate electron acceptor for the enzyme is believed to be ubiquinone.

Notable Publications

Author	Pubmed ID	Journal	Application
Q E Xie	34571250	Mitochondrion	WB
Shibo Bao	36116352	Ecotoxicol Environ Saf	WB
Christopher Lowden	34525369	Cell Rep	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

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

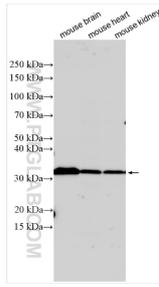
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

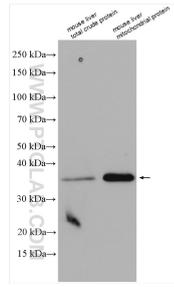
E: proteintech@ptglab.com
W: ptglab.com

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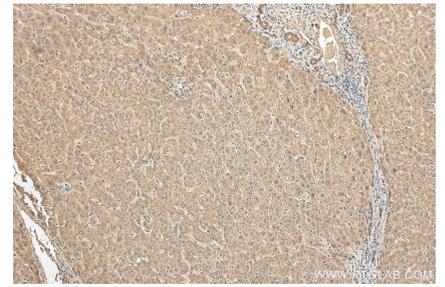
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 19703-1-AP (ND1 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 19703-1-AP (ND1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 19703-1-AP (ND1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).