ND1 Polyclonal antibody

Catalog Number: 19703-1-AP  Featured Product  67 Publications

Basic Information

Catalog Number: 19703-1-AP
Size: 150μl, Concentration: 600 μg/ml by Nanodrop
Source: Rabbit
Isotype: IgG

GenBank Accession Number: NC_012920
Gene ID (NCBI): 4535
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 1:500-1:2000
IP 0.5-4.0 μg for IP and 1:500-1:1000 for WB
IHC 1:50-1:500

Applications

Tested Applications: IHC, IP, WB, ELISA
Cited Applications: IF, IHC, WB

Species Specificity: human, mouse
Cited Species: human, rat, mouse, hamster, pig

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 liver tissue, mouse liver mitochondria
IP: mouse liver tissue,
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

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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

*** 20μl 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) 655-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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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).

IP Result of anti-ND1 (IP:19703-1-AP, 3ug; Detection:19703-1-AP 1:500) with mouse liver tissue lysate 4000ug.