

For Research Use Only

MT-ND5 Polyclonal antibody

Catalog Number: 55410-1-AP

30 Publications



Basic Information

Catalog Number:

55410-1-AP

Size:

150ul, Concentration: 280 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

AF465942

GeneID (NCBI):

4540

UNIPROT ID:

P03915

Full Name:

NADH dehydrogenase, subunit 5 (complex I)

Calculated MW:

67 kDa

Observed MW:

65-70 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:3000

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat, hamster

Positive Controls:

WB: mouse liver tissue, rat liver tissue

IHC: human liver tissue,

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

ND5 belongs to the complex I subunit 1 family. ND5 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
Ying Shu	36314841	EMBO J	WB
Jing Zhang	26492917	EMBO J	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

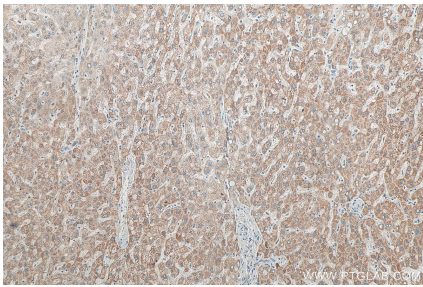
For technical support and original validation data for this product please contact:

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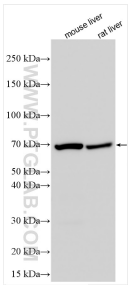
E: proteintech@ptglab.com
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Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 55410-1-AP (ND5 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Various lysates were subjected to SDS PAGE followed by western blot with 55410-1-AP (MT-ND5 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.