

For Research Use Only

NDUFS7 Polyclonal antibody

Catalog Number: 15728-1-AP

16 Publications



Basic Information

Catalog Number:

15728-1-AP

Size:

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

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG8471

GenBank Accession Number:

BC005954

GeneID (NCBI):

374291

UNIPROT ID:

O75251

Full Name:

NADH dehydrogenase (ubiquinone)
Fe-S protein 7, 20kDa (NADH-coenzyme Q reductase)

Calculated MW:

213 aa, 24 kDa

Observed MW:

20 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:5000

IHC 1:20-1:200

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB, IHC, IF, IP

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

Positive Controls:

WB: A549 cells, human brain tissue, HeLa cells

IHC: human liver tissue,

IF/ICC: HeLa cells,

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

NDUFS7(NADH dehydrogenase [ubiquinone] iron-sulfur protein 7, mitochondrial) protein is one of the most conserved subunits of mitochondrial respiratory chain complex I and plays a central role in the interaction with the electron acceptor ubiquinone and in the proton-translocating mechanism(PMID:15269216).Defects in NDUFS7 are a cause of Leigh syndrome (LS) and mitochondrial complex I deficiency (MT-C1D).

Notable Publications

Author	Pubmed ID	Journal	Application
Shashi Jain	34852219	Cell Chem Biol	WB
Hao Meng	34807408	Hum Cell	WB
Belén Ansoleaga	27297670	J Neuropathol Exp Neurol	IF

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

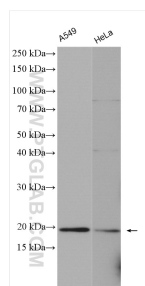
For technical support and original validation data for this product please contact:

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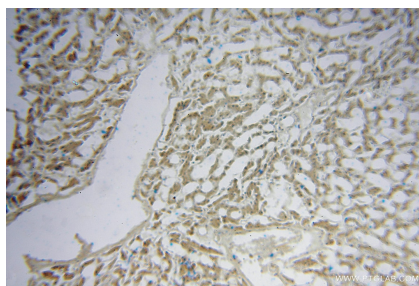
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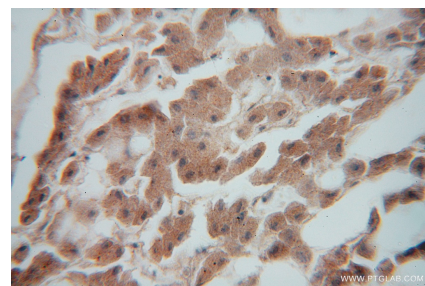
Selected Validation Data



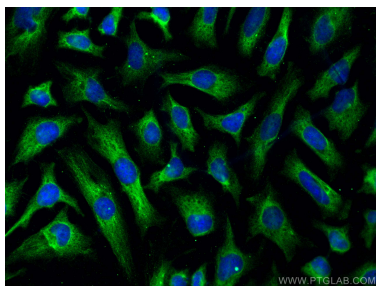
A549 cells were subjected to SDS PAGE followed by western blot with 15728-1-AP (NDUFS7 antibody) at dilution of 1:2500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver using 15728-1-AP (NDUFS7 antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human liver using 15728-1-AP (NDUFS7 antibody) at dilution of 1:100 (under 40x lens).



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using NDUFS7 antibody (15728-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).