

For Research Use Only

# NDUFS7 Polyclonal antibody

Catalog Number: 15728-1-AP

14 Publications



## Basic Information

<b>Catalog Number:</b> 15728-1-AP	<b>GenBank Accession Number:</b> BC005954	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul, Concentration: 600 µg/ml by Nanodrop and 293 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 374291	<b>Recommended Dilutions:</b> WB 1:1000-1:5000 IHC 1:20-1:200 IF 1:10-1:100
<b>Source:</b> Rabbit	<b>Full Name:</b> NADH dehydrogenase (ubiquinone) Fe-S protein 7, 20kDa (NADH-coenzyme Q reductase)	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 213 aa, 24 kDa	
<b>Immunogen Catalog Number:</b> AG8471	<b>Observed MW:</b> 20 kDa	

## Applications

### Tested Applications:

IF, IHC, WB, ELISA

### Cited Applications:

IF, IHC, IP, WB

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse

**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 : A549 cells, human brain tissue, HeLa cells

IHC : human liver tissue,

IF : HeLa cells,

## 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

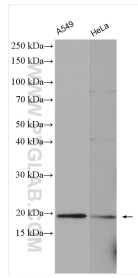
For technical support and original validation data for this product please contact:

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

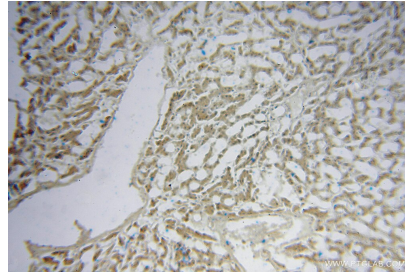
E: proteintech@ptglab.com  
W: ptglab.com

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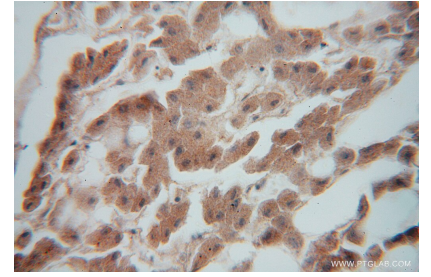
## Selected Validation Data



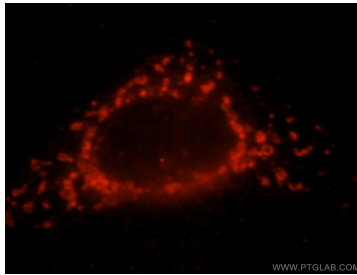
A549 cells were subjected to SDS PAGE followed by western blot with 15728-1-AP (NDUFS7 antibody) at dilution of 1:2500 incubated at room temperature for 1.5 hours.



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 HeLa cells, using NDUFS7 antibody 15728-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).