

For Research Use Only

# NDUFB8 Polyclonal antibody

Catalog Number: 14794-1-AP

Featured Product

57 Publications



## Basic Information

### Catalog Number:

14794-1-AP

### Size:

150ul, Concentration: 650 ug/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG6495

### GenBank Accession Number:

BC000466

### GeneID (NCBI):

4714

### UNIPROT ID:

O95169

### Full Name:

NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 8, 19kDa

### Calculated MW:

22 kDa

### Observed MW:

19-22 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:5000-1:50000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

IF/ICC 1:200-1:800

## Applications

### Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

### Cited Applications:

WB, IHC, IF

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse, rat, pig, canine, zebrafish

**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** : HepG2 cells, A549 cells, various samples, 3T3-L1 cells, mouse brain tissue, mouse liver tissue, rat brain tissue

**IP** : HepG2 cells,

**IHC** : human liver tissue, human heart tissue

**IF/ICC** : HepG2 cells,

## Notable Publications

Author	Pubmed ID	Journal	Application
Marine C N M Blackman	36139533	Cancers (Basel)	WB
DeLong Yin	34497154	Aging (Albany NY)	WB
Kazuhide Takahashi	28890359	Exp Gerontol	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

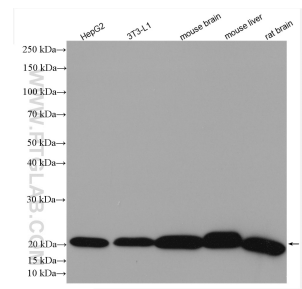
For technical support and original validation data for this product please contact:

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

E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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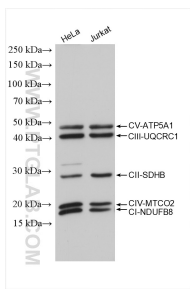
Selected Validation Data



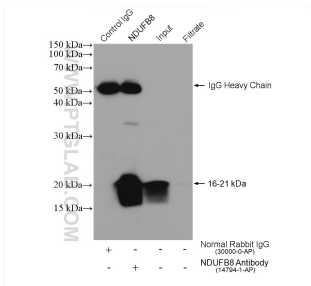
Various lysates were subjected to SDS PAGE followed by western blot with 14794-1-AP (NDUFB8 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



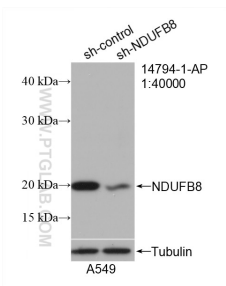
Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 14794-1-AP (NDUFB8 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



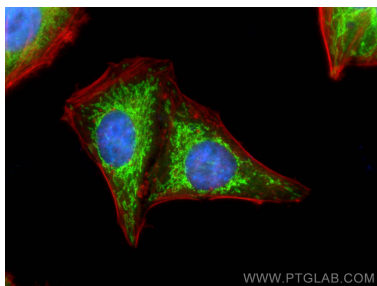
Various lysates were subjected to SDS PAGE followed by western blot with PK30006 (OXPHOS Cocktail (Human recommended)) at dilution of 1:4000 incubated at room temperature for 1 hours.



IP result of anti-NDUFB8 (IP:14794-1-AP, 4ug; Detection:14794-1-AP 1:2000) with HepG2 cells lysate 880 ug.



WB result of NDUFB8 antibody (14794-1-AP; 1:40000; incubated at room temperature for 1.5 hours) with sh-Control and sh-NDUFB8 transfected A549 cells.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using NDUFB8 antibody (14794-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).