

For Research Use Only

# NDUFS3 Polyclonal antibody

Catalog Number: 15066-1-AP

Featured Product

32 Publications



## Basic Information

### Catalog Number:

15066-1-AP

### Size:

500 µg/ml

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG7072

### GenBank Accession Number:

BC000617

### GeneID (NCBI):

4722

### UNIPROT ID:

O75489

### Full Name:

NADH dehydrogenase (ubiquinone)  
Fe-S protein 3, 30kDa (NADH-  
coenzyme Q reductase)

### Calculated MW:

30 kDa

### Observed MW:

30 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:2000-1:10000

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

IHC 1:50-1:500

IF/ICC 1:50-1:500

## 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

### Positive Controls:

WB: HEK-293T cells, HepG2 cells, mouse brain tissue,  
mouse heart tissue, rat heart tissue, rat brain tissue,  
NIH/3T3 cells

IP: mouse heart tissue,

IHC: mouse testis tissue,

IF/ICC: HepG2 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

NDUFS3(NADH dehydrogenase [ubiquinone] iron-sulfur protein 3, mitochondrial) is also named as CI-30kD and belongs to the complex I 30 kDa subunit family. It catalyzes the oxidation of NADH, with the concomitant reduction of ubiquinone and ejection of protons out of the mitochondria(PMID:10967146). NDUFS3 can be used as a mitochondrial matrix control(PMID:17344420). The full length has a transit peptide with 36 amino acids.

## Notable Publications

Author	Pubmed ID	Journal	Application
Shao-Ming Shen	26415504	EMBO Rep	WB
Naiara Santana-Codina	35771492	Cancer Discov	WB,IHC
Siddhesh Aras	25315652	Mitochondrion	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

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

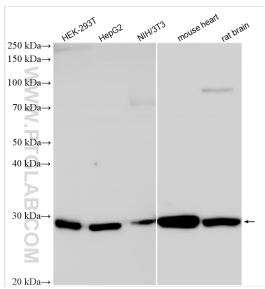
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

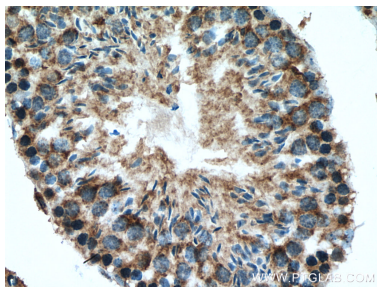
W: [ptgcn.com](http://ptgcn.com)

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

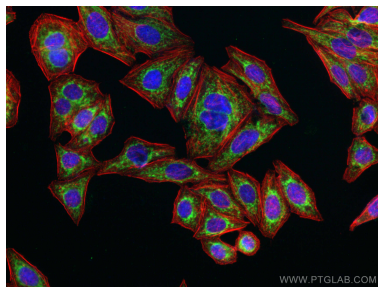
Selected Validation Data



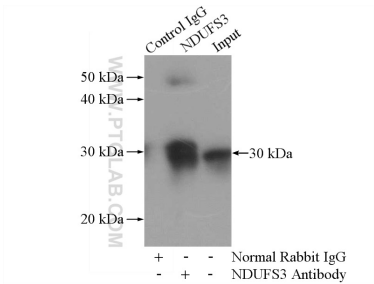
Various lysates were subjected to SDS PAGE followed by western blot with 15066-1-AP (NDUFS3 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 15066-1-AP (NDUFS3 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using NDUFS3 antibody (15066-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L).



IP result of anti-NDUFS3 (IP:15066-1-AP, 4ug; Detection:15066-1-AP 1:500) with mouse heart tissue lysate 4000ug.