

For Research Use Only

# NDUFS4 Polyclonal antibody

Catalog Number: 15849-1-AP

Featured Product

6 Publications



## Basic Information

### Catalog Number:

15849-1-AP

### Size:

650 µg/ml

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG8633

### GenBank Accession Number:

BC005270

### GeneID (NCBI):

4724

### UNIPROT ID:

O43181

### Full Name:

NADH dehydrogenase (ubiquinone)  
Fe-S protein 4, 18kDa (NADH-  
coenzyme Q reductase)

### Calculated MW:

175 aa, 20 kDa

### Observed MW:

21 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:3000

IHC 1:100-1:400

## Applications

### Tested Applications:

WB, IHC, ELISA

### Cited Applications:

WB, IF

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse, rat

### Positive Controls:

WB : mouse heart tissue, rat heart tissue

IHC : human colon 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

NDUFS4 (NADH dehydrogenase [ubiquinone] iron-sulfur protein 4 mitochondrial), also known as AQDQ, is a member of NADH dehydrogenase (ubiquinone) iron-sulfur (NDUFS) protein family. It is a peripheral membrane protein located on the matrix side of the inner mitochondrial membrane. It is reported that the loss of NDUFS4 protein expression in immunohistochemistry (IHC) reliably diagnoses papillary thyroid carcinoma (PMID: 34792302). Also, NDUFS4 promotes tumor progression and predicts prognosis in gastric cancer (PMID: 36044738).

## Notable Publications

Author	Pubmed ID	Journal	Application
Yipeng Du	30279144	EBioMedicine	WB
Hongxu Xian	34115964	Immunity	WB
QiuHong Mou	35427576	Arch Biochem Biophys	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:

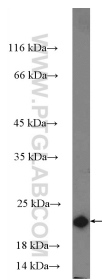
T: 4006900926

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

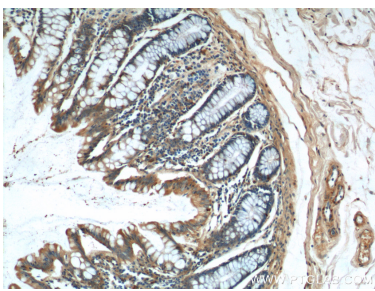
W: [ptgcn.com](http://ptgcn.com)

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

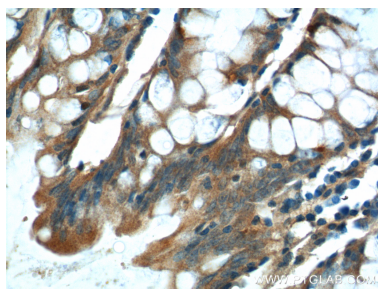
Selected Validation Data



mouse heart tissue were subjected to SDS PAGE followed by western blot with 15849-1-AP (NDUFS4 Antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 15849-1-AP (NDUFS4 Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 15849-1-AP (NDUFS4 Antibody) at dilution of 1:200 (under 40x lens).