

For Research Use Only

# NDUFS6 Polyclonal antibody

Catalog Number: 14417-1-AP **8 Publications**



## Basic Information

**Catalog Number:**

14417-1-AP

**Size:**

500 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG5762

**GenBank Accession Number:**

BC046155

**GeneID (NCBI):**

4726

**UNIPROT ID:**

O75380

**Full Name:**

NADH dehydrogenase (ubiquinone)  
Fe-S protein 6, 13kDa (NADH-  
coenzyme Q reductase)

**Calculated MW:**

14 kDa

**Observed MW:**

13 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:1000-1:5000

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

IHC 1:20-1:200

IF 1:50-1:500

## Applications

**Tested Applications:**

IF/ICC, IHC, IP, WB, ELISA

**Cited Applications:**

WB

**Species Specificity:**

human, mouse, rat

**Cited Species:**

human, mouse, rat

**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:** HeLa cells, rat liver tissue, human liver tissue,  
human heart tissue, mouse heart tissue, mouse liver  
tissue

**IP:** mouse liver tissue,

**IHC:** human prostate cancer tissue,

**IF:** HeLa cells,

## Background Information

NDUFS6(NADH dehydrogenase [ubiquinone] iron-sulfur protein 6, mitochondrial) is also named as CI-13kD-A, NADH-ubiquinone oxidoreductase 13 kDa-A subunit and belongs to the complex I NDUFS6 subunit family. It is an accessory subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I), that is believed not to be involved in catalysis.

## Notable Publications

Author	Pubmed ID	Journal	Application
Rufeng Zhang	31530015	FASEB J	WB
Yueh-Lin Tsai	32381627	Genes Dev	
Yanting You	28677739	Mol. Med Rep	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:

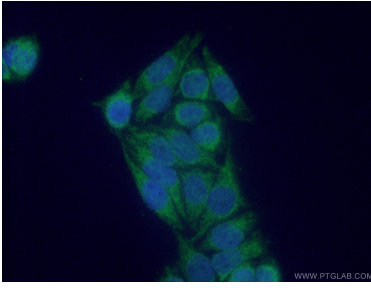
T: 4006900926

E: Proteintech-CN@ptglab.com

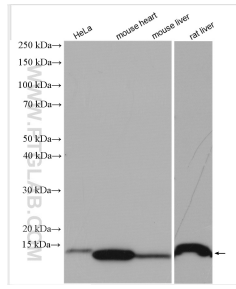
W: ptgcn.com

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

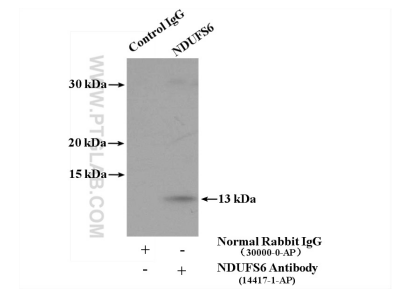
## Selected Validation Data



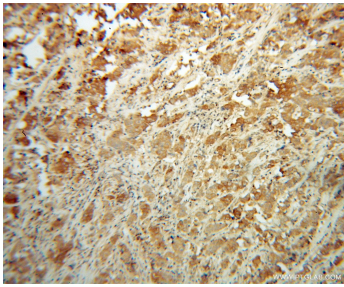
Immunofluorescent analysis of (4% PFA) fixed HeLa cells using 14417-1-AP (NDUFS6 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



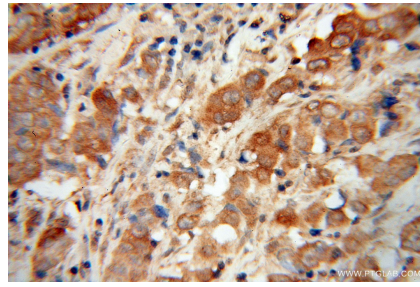
Various lysates were subjected to SDS PAGE followed by western blot with 14417-1-AP (NDUFS6 antibody) at dilution of 1:2500 incubated at room temperature for 1.5 hours.



IP result of anti-NDUFS6 (IP:14417-1-AP, 4ug; Detection:14417-1-AP 1:300) with mouse liver tissue lysate 3200 ug.



Immunohistochemical analysis of paraffin-embedded human prostate cancer using 14417-1-AP (NDUFS6 antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human prostate cancer using 14417-1-AP (NDUFS6 antibody) at dilution of 1:100 (under 40x lens).