

For Research Use Only

# TACO1/CCDC44 Polyclonal antibody

Catalog Number: 21147-1-AP

Featured Product

10 Publications



## Basic Information

### Catalog Number:

21147-1-AP

### Size:

150ul, Concentration: 700 ug/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG15688

### GenBank Accession Number:

BC007744

### GeneID (NCBI):

51204

### UNIPROT ID:

Q9BSH4

### Full Name:

coiled-coil domain containing 44

### Calculated MW:

297 aa, 32 kDa

### Observed MW:

30-32 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:2000

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

IHC 1:20-1:200

## Applications

### Tested Applications:

WB, IP, IHC, ELISA

### Cited Applications:

WB, IHC, IP, RIP

### 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 : HepG2 cells, HeLa cells, mouse heart, rat heart

IP : mouse liver tissue,

IHC : human kidney tissue, human brain tissue

## Background Information

TACO1 (translational activator of cytochrome oxidase subunit I) is required for COXI translation. Mutations in TACO1 cause Leigh syndrome (LS) and cytochrome c oxidase deficiency. (27319982)

## Notable Publications

Author	Pubmed ID	Journal	Application
Nicola Ferreira	31721250	EMBO J	WB
Tara R Richman	27319982	Nat Commun	WB
Xiaorong Zhang	25083871	Cell	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

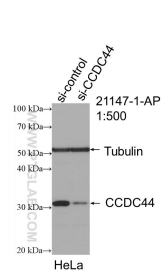
For technical support and original validation data for this product please contact:

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

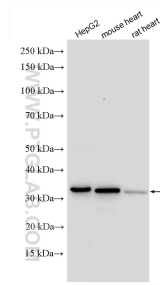
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

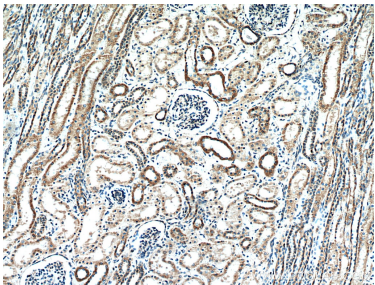
Selected Validation Data



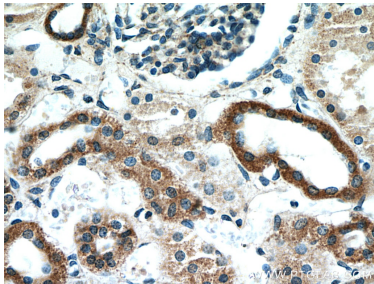
WB result of TACO1/CCDC44 antibody (21147-1-AP; 1:500; incubated at room temperature for 1.5 hours) with sh-Control and sh-TACO1/CCDC44 transfected HeLa cells.



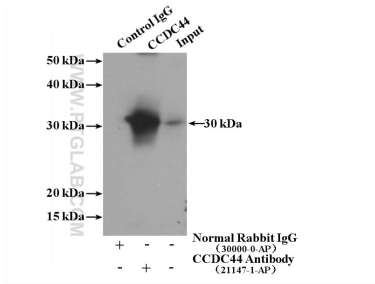
Various lysates were subjected to SDS PAGE followed by western blot with 21147-1-AP (TACO1/CCDC44 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human kidney using 21147-1-AP (TACO1/CCDC44 antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human kidney using 21147-1-AP (TACO1/CCDC44 antibody) at dilution of 1:50 (under 40x lens).



IP result of anti-TACO1/CCDC44 (IP:21147-1-AP, 4ug; Detection:21147-1-AP 1:600) with mouse liver tissue lysate 4000ug.