

For Research Use Only

# TACO1/CCDC44 Polyclonal antibody



Catalog Number: 21147-1-AP

Featured Product

9 Publications

## Basic Information

<b>Catalog Number:</b> 21147-1-AP	<b>GenBank Accession Number:</b> BC007744	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 700 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 51204	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
<b>Source:</b> Rabbit	<b>Full Name:</b> coiled-coil domain containing 44	<b>IHC 1:20-1:200</b>
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 297 aa, 32 kDa	
<b>Immunogen Catalog Number:</b> AG15688	<b>Observed MW:</b> 30-32 kDa	

## Applications

**Tested Applications:**  
IHC, IP, WB, ELISA

**Cited Applications:**  
IP, WB

**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

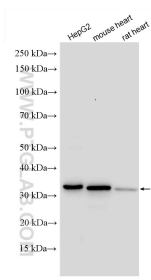
For technical support and original validation data for this product please contact:

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

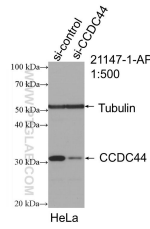
E: proteintech@ptglab.com  
W: ptglab.com

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

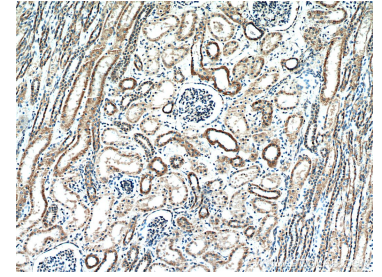
## Selected Validation Data



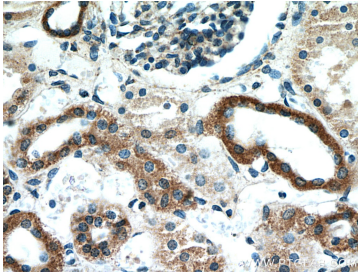
Various lysates were subjected to SDS PAGE followed by western blot with 21147-1-AP (TACO1/CCDC44 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



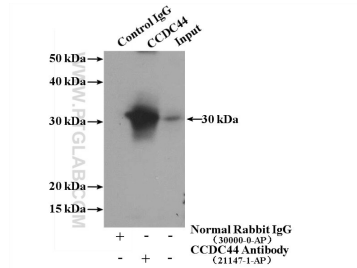
WB result of TACO1/CCDC44 antibody (21147-1-AP; 1:500; incubated at room temperature for 1.5 hours) with sh-Control and sh-TACO1/CCDC44 transfected HeLa cells.



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.