

For Research Use Only

# CNOT7 Polyclonal antibody

Catalog Number: 14102-1-AP

Featured Product

6 Publications



## Basic Information

### Catalog Number:

14102-1-AP

### Size:

150ul, Concentration: 350 µg/ml by Nanodrop and 253 µg/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG5235

### GenBank Accession Number:

BC060852

### GeneID (NCBI):

29883

### Full Name:

CCR4-NOT transcription complex, subunit 7

### Calculated MW:

285 aa, 33 kDa

### Observed MW:

33-35 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:1000

IP 0.5-4.0 µg for IP and 1:200-1:1000 for WB

## Applications

### Tested Applications:

IP, WB, ELISA

### Cited Applications:

IP, WB

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse

### Positive Controls:

WB: mouse testis tissue,

IP: mouse testis tissue,

## Background Information

Cnot7, Ccr4-Not complex 7, is a component of CCR4-NOT complex and known to be a transcription factor and a modulator of mRNA degradation in yeast. Mammalian Cnot7 interacts with Tob and its family members, which is known as an inhibitor of BMP signaling through interfering with the Smad system and is involved in bone metabolism [PMID:17451368]. It is one of at least 8 subunits that make up the CCR4-Not transcription complex, which is involved in negative regulation of the pol II directed transcription in yeast<sup>24</sup> and may be involved in global gene regulation by modulation of TATAA-binding protein (TBP) activity [PMID:10880468].

## Notable Publications

Author	Pubmed ID	Journal	Application
Masashi Yamaji	28297718	Nature	WB
Hsin-Hui Hsieh	34090459	J Inflamm (Lond)	WB
Roy Matkovic	35013187	Nat Commun	IP

## 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

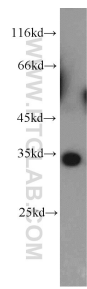
For technical support and original validation data for this product please contact:

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

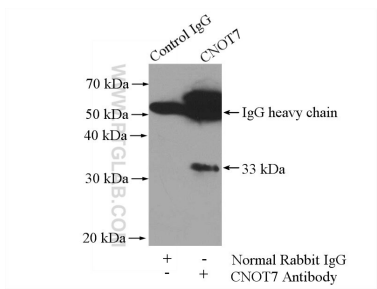
E: proteintech@ptglab.com  
W: ptglab.com

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

## Selected Validation Data



mouse testis tissue were subjected to SDS PAGE followed by western blot with 14102-1-AP (CNOT7 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



IP Result of anti-CNOT7 (IP:14102-1-AP, 4ug; Detection:14102-1-AP 1:300) with mouse testis tissue lysate 4800ug.