

For Research Use Only

# COPS7A Polyclonal antibody

Catalog Number: 16628-1-AP

1 Publications



## Basic Information

<b>Catalog Number:</b> 16628-1-AP	<b>GenBank Accession Number:</b> BC011789	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 550 µg/ml by Nanodrop and 133 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 50813	<b>Recommended Dilutions:</b> WB 1:1000-1:5000 IP 0.5-4.0 ug for IP and 1:200-1:1000 for WB
<b>Source:</b> Rabbit	<b>Full Name:</b> COP9 constitutive photomorphogenic homolog subunit 7A (Arabidopsis)	<b>IHC 1:20-1:200</b> <b>IF 1:50-1:500</b>
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 275 aa, 30 kDa	
<b>Immunogen Catalog Number:</b> AG9958	<b>Observed MW:</b> 30 kDa	

## Applications

<b>Tested Applications:</b> IF, IHC, IP, WB, ELISA	<b>Positive Controls:</b> WB : RAW 264.7 cells, PC-12 cells, HeLa cells
<b>Cited Applications:</b> IF, WB	<b>IP :</b> mouse heart tissue,
<b>Species Specificity:</b> human, mouse, rat	<b>IHC :</b> human kidney tissue,
<b>Cited Species:</b> human	<b>IF :</b> HeLa cells,

**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

COPS7A is component of the COP9 signalosome complex (CSN), a complex involved in various cellular and developmental processes. COPS7A was consistently expressed in oligodendrocyte lineage cells, and was down-regulated during the peak period of myelination. COPS7A associated physically with Olig1, and it might thus serve as a novel negative regulator in oligodendrocytes differentiation.

## Notable Publications

Author	Pubmed ID	Journal	Application
Jiazhen Zhou	26306918	Cell Mol Neurobiol	WB, IF

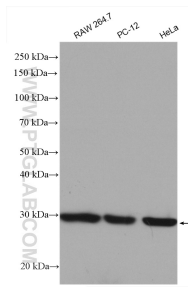
## Storage

**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

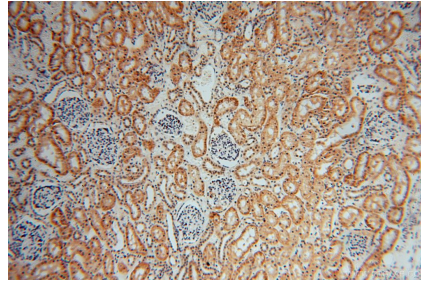
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

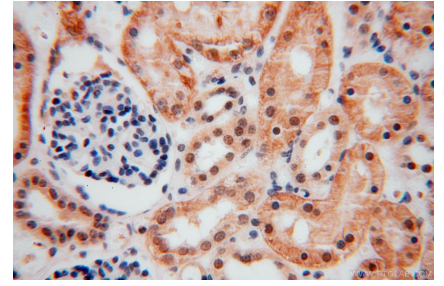
## Selected Validation Data



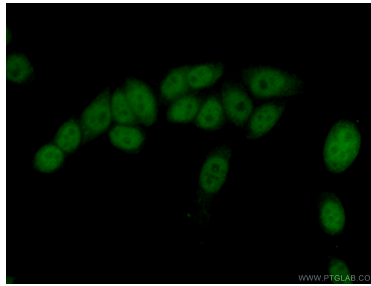
Various lysates were subjected to SDS PAGE followed by western blot with 16628-1-AP (COPS7A antibody) at dilution of 1:2500 incubated at room temperature for 1.5 hours.



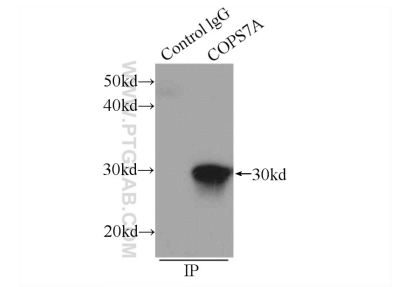
Immunohistochemical analysis of paraffin-embedded human kidney using 16628-1-AP (COPS7A antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human kidney using 16628-1-AP (COPS7A antibody) at dilution of 1:50 (under 40x lens).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using 16628-1-AP (COPS7A antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



IP Result of anti-COPS7A (IP:16628-1-AP, 4ug; Detection:16628-1-AP 1:300) with mouse heart tissue lysate 4000ug.