

For Research Use Only

# COPS7A Polyclonal antibody

Catalog Number: 16628-1-AP



## 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 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 50813	<b>Recommended Dilutions:</b> WB 1:1000-1:5000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC 1:50-1:500 IF/ICC 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9UBW8	
<b>Isotype:</b> IgG	<b>Full Name:</b> COP9 constitutive photomorphogenic homolog subunit 7A (Arabidopsis)	
<b>Immunogen Catalog Number:</b> AG9958	<b>Calculated MW:</b> 275 aa, 30 kDa	
	<b>Observed MW:</b> 30 kDa	

## Applications

**Tested Applications:**  
WB, IHC, IF/ICC, IP, ELISA

**Species Specificity:**  
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:** RAW 264.7 cells, mouse brain tissue, PC-12 cells, HeLa cells, rat brain tissue

**IP:** HeLa cells,

**IHC:** mouse brain tissue,

**IF/ICC:** MCF-7 cells,

## 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.

## 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

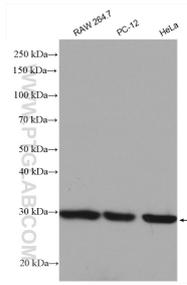
For technical support and original validation data for this product please contact:

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

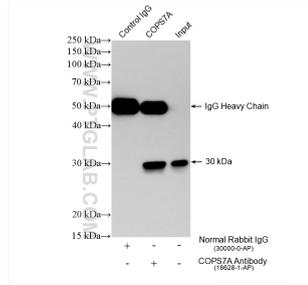
E: proteintech@ptglab.com  
W: ptglab.com

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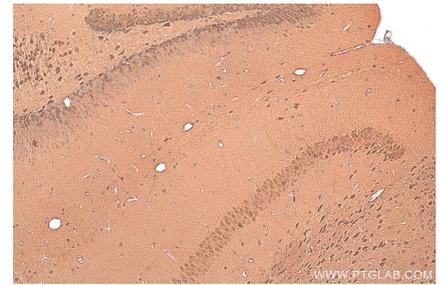
## Selected Validation Data



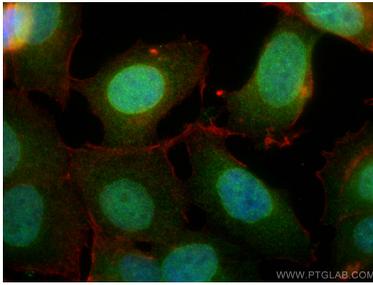
Various lysates were subjected to SDS PAGE followed by western blot with 16628-1-AP (COPS7A antibody) at dilution of 1:2500 incubated at room temperature for 1.5 hours.



IP result of anti-COPS7A (IP:16628-1-AP, 4ug; Detection:16628-1-AP 1:5000) with HeLa cells lysate 1600 ug.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 16628-1-AP (COPS7A antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using COPS7A antibody (16628-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).