

COPS7A Polyclonal antibody

Catalog Number: 16628-1-AP

Basic Information

Catalog Number:

16628-1-AP

Size:

350 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG9958

GenBank Accession Number:

BC011789

GeneID (NCBI):

50813

UNIPROT ID:

Q9UBW8

Full Name:

COP9 constitutive photomorphogenic homolog subunit 7A (Arabidopsis)

Calculated MW:

275 aa, 30 kDa

Observed MW:

30 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:5000

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

IHC 1:50-1:500

IF/ICC 1:50-1:500

Applications

Tested Applications:

IF/ICC, IHC, IP, WB, 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:

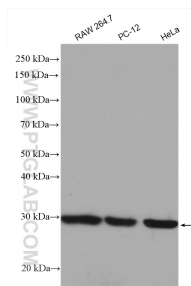
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

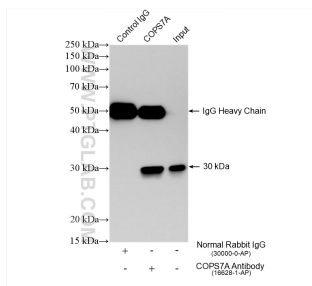
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

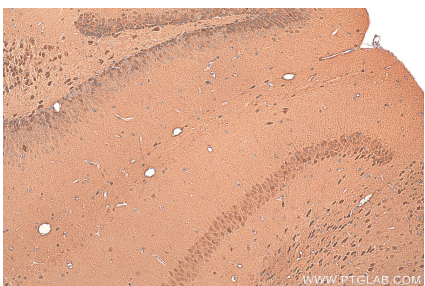
Selected Validation Data



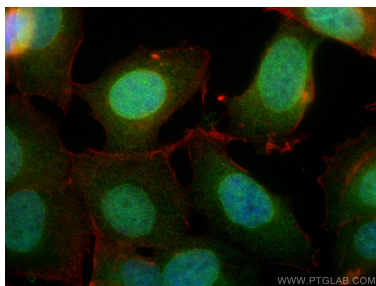
Various lysates were subjected to SDS PAGE followed by western blot with 16628-1-AP (COPS7A antibody) at dilution of 1:2500 incubated at room temperature for 1.5 hours.



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).