

For Research Use Only

# COPS4 Polyclonal antibody, PBS Only

Catalog Number:10464-1-PBS



## Basic Information

Catalog Number:

10464-1-PBS

Concentration:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0735

GenBank Accession Number:

BC004302

GeneID (NCBI):

51138

UNIPROT ID:

Q9BT78

Full Name:

COP9 constitutive photomorphogenic homolog subunit 4 (Arabidopsis)

Calculated MW:

46 kDa

Observed MW:

40 kDa, 46 kDa

Purification Method:

Antigen affinity purification

## Applications

Tested Applications:

WB, IHC, IP, Indirect ELISA

Species Specificity:

human, mouse, rat

## Background Information

COP9 signalosome complex (CSN), a complex involved in various cellular and developmental processes. The CSN complex is an essential regulator of the ubiquitin conjugation pathway by mediating the deneddylation of the cullin subunits of SCF-type E3 ligase complexes, leading to decrease the Ubl ligase activity of SCF-type complexes such as SCF, CSA or DDB2. CSN4 gene encodes a component of CSN complex, COP9 signalosome complex subunit 4 (COPS4). The ubiquitin-proteasome system plays a major role in the rhythmic accumulation and turnover of molecular clock components. A recent study in *Drosophila* indicates that CSN lie in a common pathway leading to light-dependent degradation of clock protein Timeless (TIM).

## Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

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

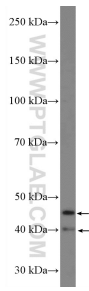
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

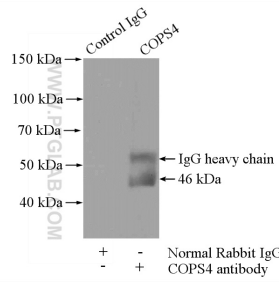
W: [ptgcn.com](http://ptgcn.com)

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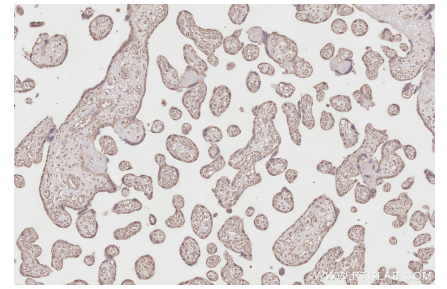
## Selected Validation Data



mouse brain tissue were subjected to SDS PAGE followed by western blot with 10464-1-AP (COPS4 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 10464-1-PBS in a different storage buffer formulation.



IP result of anti-COPS4 (IP:10464-1-AP, 4ug; Detection:10464-1-AP 1:300) with PC-3 cells lysate 1800ug. This data was developed using the same antibody clone with 10464-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 10464-1-AP (COPS4 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 10464-1-PBS in a different storage buffer formulation.