

For Research Use Only

COPS8 Recombinant antibody

Catalog Number: 83312-1-RR



Basic Information

Catalog Number:

83312-1-RR

Size:

1000 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0143

GenBank Accession Number:

BC003090

GeneID (NCBI):

10920

UNIPROT ID:

Q99627

Full Name:

COP9 constitutive photomorphogenic homolog subunit 8 (Arabidopsis)

Calculated MW:

23 kDa

Observed MW:

23 kDa

Purification Method:

Protein A purification

CloneNo.:

240195B1

Recommended Dilutions:

WB 1:5000-1:50000

IHC 1:125-1:500

IF/ICC 1:125-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, 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 : SH-SY5Y cells, HepG2 cells, T-47D cells, NIH/3T3 cells, mouse brain tissue, rat brain tissue

IHC : human intrahepatic cholangiocarcinoma tissue,

IF/ICC : SH-SY5Y cells,

Background Information

COPS8 is one of the eight subunits of COP9 signalosome, a highly conserved protein complex that functions as an important regulator in multiple signaling pathways. The structure and function of COP9 signalosome is similar to that of the 19S regulatory particle of 26S proteasome. COP9 signalosome has been shown to interact with SCF-type E3 ubiquitin ligases and act as a positive regulator of E3 ubiquitin ligases.

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:

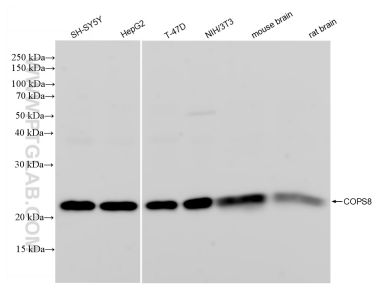
T: 4006900926

E: Proteintech-CN@ptglab.com

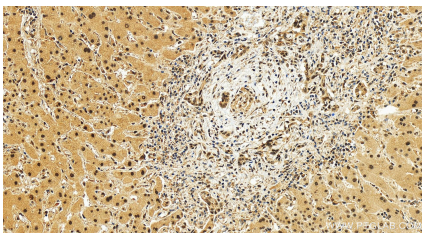
W: ptgcn.com

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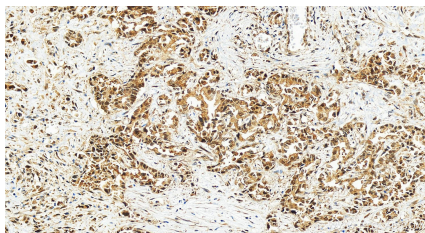
Selected Validation Data



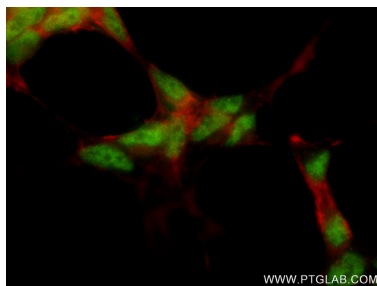
Various lysates were subjected to SDS PAGE followed by western blot with 83312-1-RR (COPS8 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



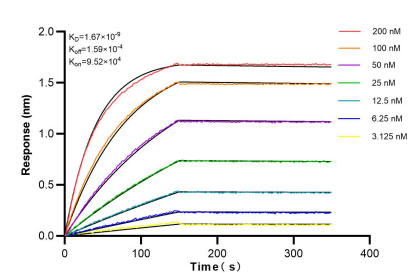
Immunohistochemical analysis of paraffin-embedded human intrahepatic cholangiocarcinoma tissue slide using 83312-1-RR (COPS8 antibody) at dilution of 1:250 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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Immunofluorescent analysis of (4% PFA) fixed SH-SY5Y cells using COPS8 antibody (83312-1-RR, Clone: 240195B1) at dilution of 1:250 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



Biolayer interferometry (BLI) kinetic assays of 83312-1-RR against Human COPS8 were performed. The affinity constant is 1.67 nM.