For Research Use Only

COPS8/COP9 Polyclonal antibody

Catalog Number:10089-2-AP 4 Publications

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
10089-2-AP

Size:
150ul , Concentration: 300 ug/ml by Nanodrop and 287 ug/ml by Bradford method using BSA as the standard;

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:
Antigen affinity purification

Recommended Dilutions:
WB 1:1000-1:4000
IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
IHC 1:50-1:500

Applications

Tested Applications:
WB, IHC, IP, ELISA

Cited Applications:
WB

Species Specificity:
human, mouse, rat

Cited Species:
human, mouse

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 : HeLa cells, HepG2 cells, SH-SY5Y cells, PC-12 cells, mouse brain tissue, rat brain tissue

IP : mouse brain tissue,

IHC : human colon cancer tissue, mouse brain tissue, human gliomas tissue

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.

Notable Publications

Author	Pubmed ID	Journal	Application
Kaile Zhang	32478052	Front Bioeng Biotechnol	WB
En Liang	33911869	Neuropsychiatr Dis Treat	WB
Haiping Ouyang	39763868	bioRxiv	WB

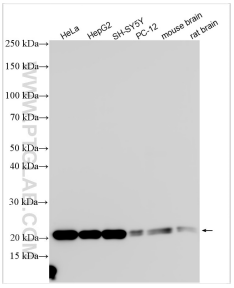
Storage

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

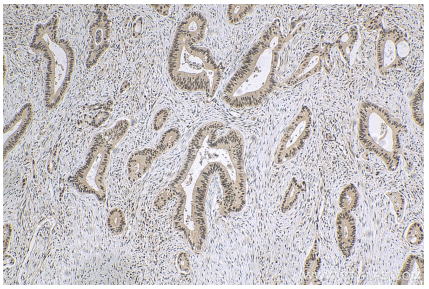
*** 20ul sizes contain 0.1% BSA

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

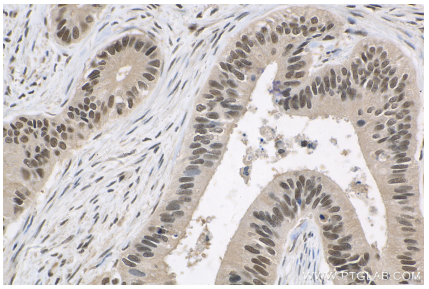
Selected Validation Data



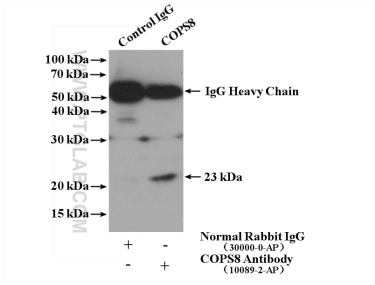
Various lysates were subjected to SDS PAGE followed by western blot with 10089-2-AP (COPS8/COP9 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 10089-2-AP (COPS8/COP9 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 10089-2-AP (COPS8/COP9 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-COPS8/COP9 (IP:10089-2-AP, 4ug; Detection:10089-2-AP 1:500) with mouse brain tissue lysate 3200 ug.