

For Research Use Only

COPS8/COP9 Polyclonal antibody

Catalog Number: 10089-2-AP **3 Publications**



Basic Information

Catalog Number: 10089-2-AP	GenBank Accession Number: BC003090	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 300 µg/ml by Nanodrop and 287 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 10920	Recommended Dilutions: WB 1:500-1:3000 IP 0.5-4.0 ug for IP and 1:500-1:1000
Source: Rabbit	Full Name: COP9 constitutive photomorphogenic homolog subunit 8 (Arabidopsis)	for WB IHC 1:50-1:500
Isotype: IgG	Calculated MW: 23 kDa	
Immunogen Catalog Number: AG0143	Observed MW: 23 kDa	

Applications

Tested Applications: IHC, IP, WB, ELISA	Positive Controls: WB : HeLa cells, HepG2 cells, mouse brain tissue, rat brain tissue
Cited Applications: WB	IP: mouse brain tissue,
Species Specificity: human, mouse	IHC : human colon cancer tissue, human gliomas tissue, mouse brain tissue
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

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
Xu Gui-Ping GP	23415865	Biochem Biophys Res Commun	WB

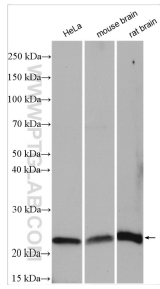
Storage

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

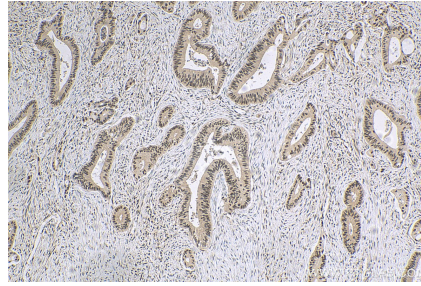
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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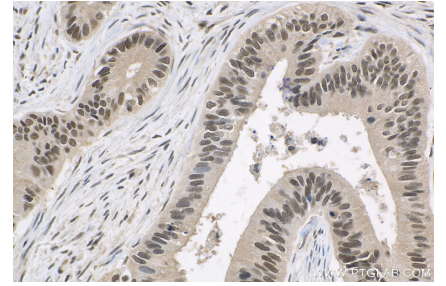
Selected Validation Data



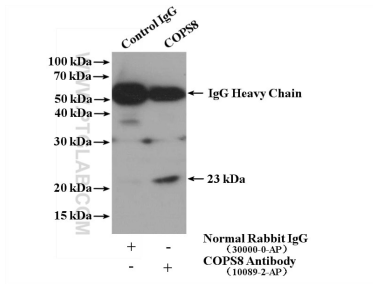
Various lysates were subjected to SDS PAGE followed by western blot with 10089-2-AP (COPS8/COP9 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



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.