

COPS8 / COP9 Antibody (C-Terminus)
Rabbit Polyclonal Antibody
Catalog # ALS13517**Specification**

COPS8 / COP9 Antibody (C-Terminus) - Product Information

Application	WB, IHC
Primary Accession	Q99627
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	23kDa KDa

COPS8 / COP9 Antibody (C-Terminus) - Additional Information**Gene ID** 10920**Other Names**

COP9 signalosome complex subunit 8, SGN8, Signalosome subunit 8, COP9 homolog, hCOP9, JAB1-containing signalosome subunit 8, COPS8, CSN8

Reconstitution & Storage

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles. Store undiluted.

Precautions

COPS8 / COP9 Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

COPS8 / COP9 Antibody (C-Terminus) - Protein Information**Name** COPS8**Synonyms** CSN8**Function**

Component of the COP9 signalosome complex (CSN), a complex involved in various cellular and developmental processes. The CSN complex is an essential regulator of the ubiquitin (Ubl) 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. The complex is also involved in phosphorylation of p53/TP53, c-jun/JUN, IκappaBα/NFKBIA, ITPK1 and IRF8/ICSBP, possibly via its association with CK2 and PKD kinases. CSN-dependent phosphorylation of TP53 and JUN promotes and protects degradation by the Ubl system, respectively.

Cellular Location

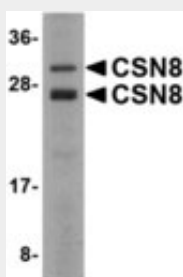
Cytoplasm. Nucleus

COPS8 / COP9 Antibody (C-Terminus) - Protocols

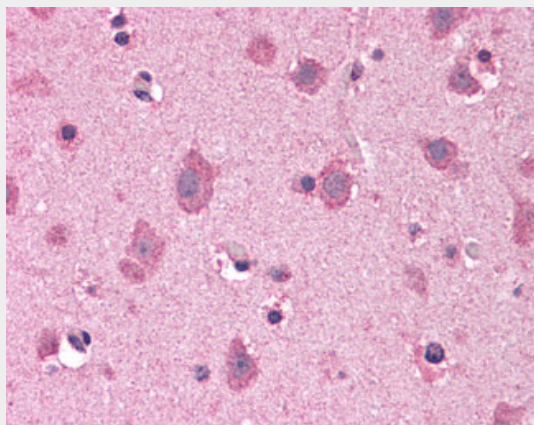
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

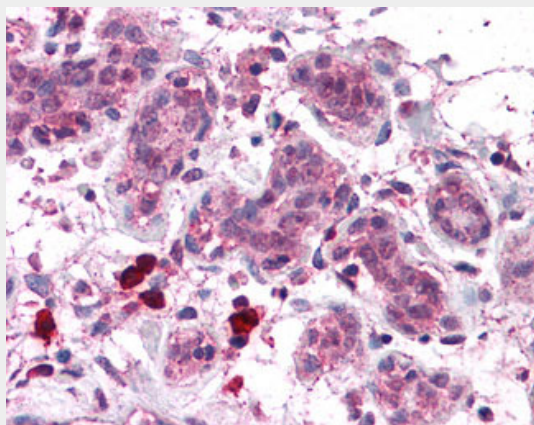
COPS8 / COP9 Antibody (C-Terminus) - Images



Western blot of COPS8 in Human liver lysate with COPS8 antibody at 2 ug/ml.



Anti-COPS8 antibody IHC of human brain, cortex.



Anti-COPS8 antibody IHC of human breast.

COPS8 / COP9 Antibody (C-Terminus) - Background

Component of the COP9 signalosome complex (CSN), a complex involved in various cellular and developmental processes. The CSN complex is an essential regulator of the ubiquitin (Ubl) 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. The complex is also involved in phosphorylation of p53/TP53, c-jun/JUN, IkappaBalpha/NFKBIA, ITPK1 and IRF8/ICSBP, possibly via its association with CK2 and PKD kinases. CSN-dependent phosphorylation of TP53 and JUN promotes and protects degradation by the Ubl system, respectively.

COPS8 / COP9 Antibody (C-Terminus) - References

Chamovitz D.A.,et al.Cell 82:353-354(1995).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Ebert L.,et al.Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.
Hillier L.W.,et al.Nature 434:724-731(2005).
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.