

**COPS5 / JAB1 Antibody (clone 6C3.38)**  
**Mouse Monoclonal Antibody**  
**Catalog # ALS11855****Specification**

---

**COPS5 / JAB1 Antibody (clone 6C3.38) - Product Information**

Application	IHC
Primary Accession	<a href="#">O92905</a>
Reactivity	Human, Mouse
Host	Mouse
Clonality	Monoclonal
Calculated MW	38kDa KDa

**COPS5 / JAB1 Antibody (clone 6C3.38) - Additional Information****Gene ID** 10987**Other Names**

COP9 signalosome complex subunit 5, SGN5, Signalosome subunit 5, 3.4.-., Jun activation domain-binding protein 1, COPS5, CSN5, JAB1

**Target/Specificity**

The full-length mouse JAB-1 gene expressed in E. coli.

**Reconstitution & Storage**

+4°C or -20°C, Avoid repeated freezing and thawing.

**Precautions**

COPS5 / JAB1 Antibody (clone 6C3.38) is for research use only and not for use in diagnostic or therapeutic procedures.

**COPS5 / JAB1 Antibody (clone 6C3.38) - Protein Information****Name** COPS5**Synonyms** CSN5, JAB1**Function**

Probable protease subunit 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 the 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, 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. In the complex, it probably acts as the catalytic center that mediates the cleavage of Nedd8 from cullins. It however has no metalloprotease activity by itself and requires the other subunits of the CSN complex. Interacts directly with a large number of proteins that are

regulated by the CSN complex, confirming a key role in the complex. Promotes the proteasomal degradation of BRSK2.

#### Cellular Location

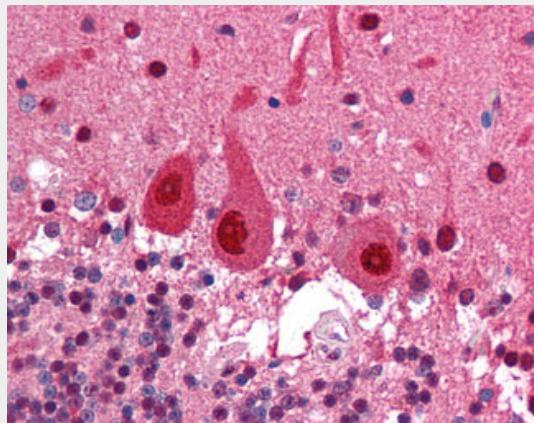
Cytoplasm, cytosol. Nucleus. Cytoplasm, perinuclear region. Cytoplasmic vesicle, secretory vesicle, synaptic vesicle Note=Nuclear localization is diminished in the presence of IFIT3

#### COPS5 / JAB1 Antibody (clone 6C3.38) - 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](#)

#### COPS5 / JAB1 Antibody (clone 6C3.38) - Images



Anti-COPS5 antibody IHC of human brain, cerebellum.

#### COPS5 / JAB1 Antibody (clone 6C3.38) - Background

Probable protease subunit 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 the 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, I $\kappa$ B $\alpha$ /NFKBIA, ITPK1 and IRF8, 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. In the complex, it probably acts as the catalytic center that mediates the cleavage of Nedd8 from cullins. It however has no metalloprotease activity by itself and requires the other subunits of the CSN complex. Interacts directly with a large number of proteins that are regulated by the CSN complex, confirming a key role in the complex. Promotes the proteasomal degradation of BRSK2.

#### COPS5 / JAB1 Antibody (clone 6C3.38) - References

Claret F.-X., et al. Nature 383:453-457(1996).

Asano K., et al. J. Biol. Chem. 272:27042-27052(1997).

Halleck A., et al. Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.

Bechtel S., et al. BMC Genomics 8:399-399(2007).

Bienvenut W.V., et al. Submitted (OCT-2005) to UniProtKB.