

COPS3 Antibody (aa374-423)
Rabbit Polyclonal Antibody
Catalog # ALS16539**Specification**

COPS3 Antibody (aa374-423) - Product Information

Application	IHC, IF, WB
Primary Accession	O9UNS2
Other Accession	8533
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	47873

COPS3 Antibody (aa374-423) - Additional Information**Gene ID** 8533**Other Names**

COPS3, COP9 complex subunit 3, SGN3, Signalosome subunit 3

Target/Specificity

COPS3 Antibody detects endogenous levels of total COPS3 protein.

Reconstitution & StoragePBS (without Mg²⁺, Ca²⁺), pH 7.4, 150 mM sodium chloride, 0.02% sodium azide, 50% glycerol.
Store at -20°C for up to one year.**Precautions**

COPS3 Antibody (aa374-423) is for research use only and not for use in diagnostic or therapeutic procedures.

COPS3 Antibody (aa374-423) - Protein Information**Name** COPS3**Synonyms** CSN3**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

Tissue Location

Widely expressed. Expressed at high level in heart and skeletal muscle.

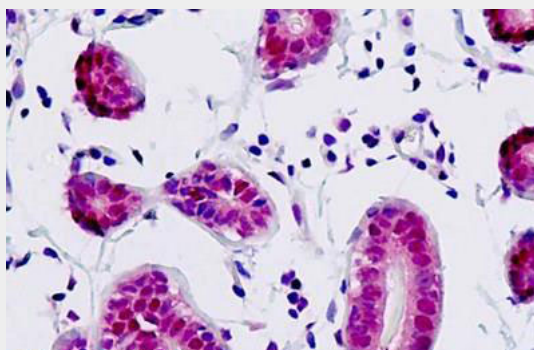
Volume

50 μ l

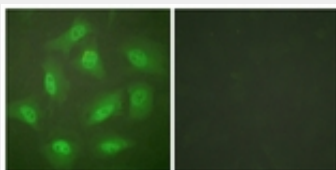
COPS3 Antibody (aa374-423) - Protocols

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

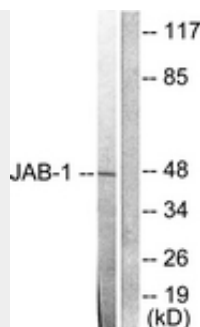
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

COPS3 Antibody (aa374-423) - Images

Anti-COPS3 antibody IHC staining of human breast.



Immunofluorescence of HeLa cells, using JAB1 Antibody.



Western blot of extracts from LOVO cells, using JAB1 Antibody.

COPS3 Antibody (aa374-423) - 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, I κ B α /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.

COPS3 Antibody (aa374-423) - References

Seeger M., et al. FASEB J. 12:469-478(1998).
Potocki L., et al. Genomics 57:180-182(1999).
Ota T., et al. Nat. Genet. 36:40-45(2004).
Zody M.C., et al. Nature 440:1045-1049(2006).
Mural R.J., et al. Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.