

JAB1 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51110**Specification**

JAB1 Antibody - Product Information

Application	WB, IHC-P, E
Primary Accession	Q92905
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	38 KDa

JAB1 Antibody - Additional Information**Gene ID** 10987**Other Names**

COP9 signalosome complex subunit 5, SGN5, Signalosome subunit 5, 34--, Jun activation domain-binding protein 1, COPS5, CSN5, JAB1

Dilution

WB~~1:1000
IHC-P~~N/A
E~~N/A

Format

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

Storage

Store at -20 °C. Stable for 12 months from date of receipt

JAB1 Antibody - 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

JAB1 Antibody - 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](#)

JAB1 Antibody - Images

JAB1 Antibody - Background

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JAB1 Antibody - 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.
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