

JAB1 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP50578**Specification**

JAB1 Antibody - Product Information

Application	WB, IF
Primary Accession	O9UNS2
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	48,46 KDa
Antigen Region	396-423

JAB1 Antibody - Additional Information**Gene ID** 8533**Other Names**

COP9 signalosome complex subunit 3, SGN3, Signalosome subunit 3, JAB1-containing signalosome subunit 3, COPS3, CSN3

Dilution

WB~~1:1000

IF~~1:100

FormatRabbit IgG in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150mM NaCl, 0.09% (W/V) sodium azide and 50% glycerol.**Storage Conditions**

-20°C

JAB1 Antibody - 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/NFκBIA, 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

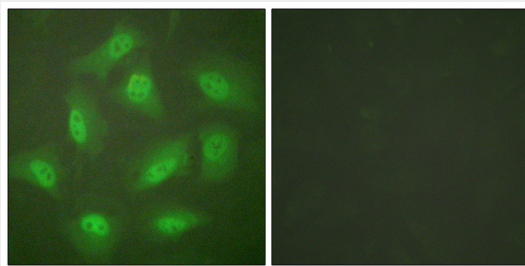
Tissue Location

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

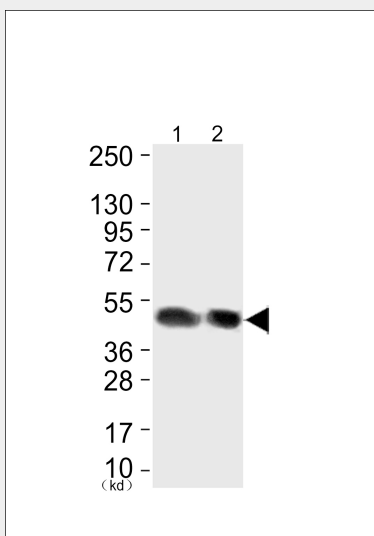
JAB1 Antibody - Protocols

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

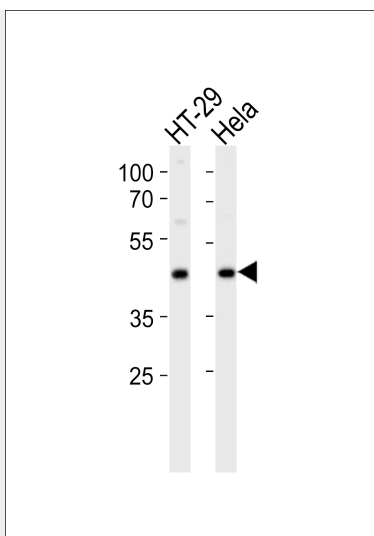
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

JAB1 Antibody - Images

Immunofluorescence analysis of HeLa cells, treated with Forskolin (40nM, 30mins), using JAB1 antibody (#AP50578)



Western blot analysis of extracts from A549 cells (Lane 1) and HepG2 cells (Lane 2), using JAB1 Antibody.



Western blot analysis of lysates from HT-29, HeLa cell line (from left to right), using JAB1 Antibody (AP50578). AP50578 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L (HRP) at 1:5000 dilution was used as the secondary antibody. Lysates at 35 µg per lane.

JAB1 Antibody - 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, IκappaBα/NFκBIA, 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.

JAB1 Antibody - 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.