

# JAB1 Antibody

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP50578

#### **Product Information**

Application WB, IF Primary Accession Q9UNS2

**Reactivity** Human, Mouse, Rat

Host Rabbit
Clonality polyclonal
Calculated MW 47873

## **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

**Format** Rabbit 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

#### **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, 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.

Cellular Location Cytoplasm. Nucleus

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

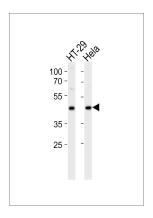
## **Background**

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 (UbI) conjugation pathway by mediating the deneddylation of the cullin subunits of SCF-type E3 ligase complexes, leading to decrease the UbI 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 UbI system, respectively.

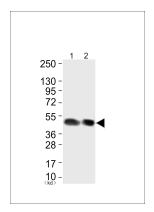
### References

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Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.

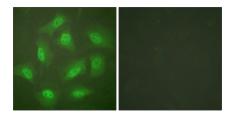
# **Images**



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 35ug per lane.



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



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.