

JAB1 Antibody

Catalog No: #33411



Package Size: #33411-1 50ul #33411-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

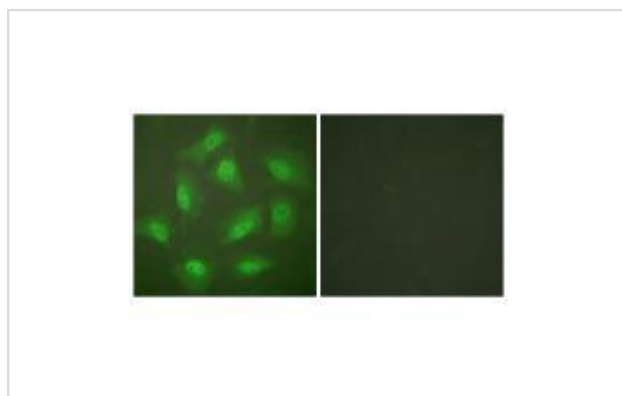
Product Name	JAB1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	WB IF
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total JAB1 protein.
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from human JAB1.
Target Name	JAB1
Other Names	SGN3; COP9; SUBUNIT 3;
Accession No.	Swiss-Prot: Q9UNS2NCBI Gene ID: 8533
SDS-PAGE MW	47kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

Application Details

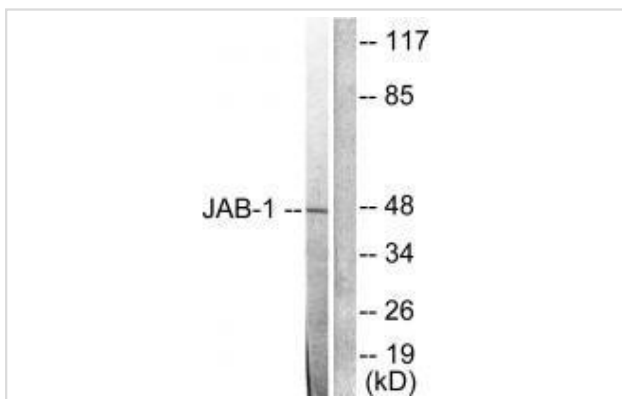
Western blotting: 1:500~1:3000

Immunofluorescence: 1:100~1:500

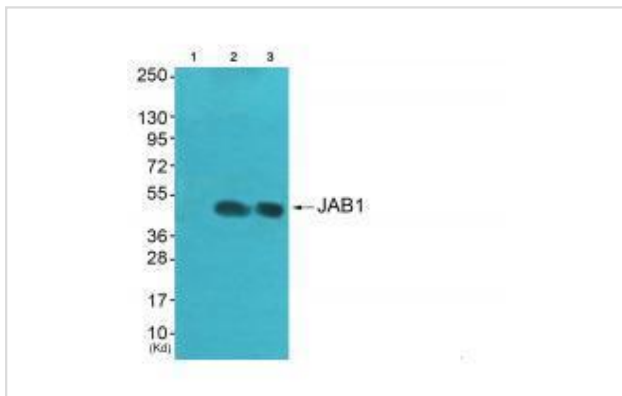
Images



Immunofluorescence analysis of HeLa cells, treated with Forskolin (40nM, 30mins), using JAB1 antibody #33411.



Western blot analysis of extracts from LOVO cells, using JAB1 antibody #33411.



Western blot analysis of extracts from A549 cells (Lane 2) and HepG2 cells (Lane 3), using JAB1 antibody #33411. The lane on the left is treated with synthesized peptide.

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/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.

George Z. Rassidakis, *Clin. Cancer Res.*, Mar 2003; 9: 1121.

Ricardo V. Lloyd, *Am. J. Pathol.*, Mar 2002; 160: 1171.

Shu Xiao, *PNAS*, Oct 2006; 103: 16448 - 16453.

Alex Kudrin, *J. Biol. Chem.*, Oct 2006; 281: 29641 - 29651.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.