



JAB1 Monoclonal Antibody

Catalog No	YP-mAb-01833
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB
Gene Name	COPS5
Protein Name	COP9 signalosome complex subunit 5
Immunogen	The antiserum was produced against synthesized peptide derived from human COPS5. AA range:161-210
Specificity	JAB1 Monoclonal Antibody detects endogenous levels of JAB1 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	COPS5; CSN5; JAB1; COP9 signalosome complex subunit 5; SGN5; Signalosome subunit 5; Jun activation domain-binding protein 1
Observed Band	38kD
Cell Pathway	Cytoplasm, cytosol . Nucleus . Cytoplasm, perinuclear region . Cytoplasmic vesicle, secretory vesicle, synaptic vesicle . Nuclear localization is diminished in the presence of IFIT3. .
Tissue Specificity	Brain,Cervix carcinoma,Eye,Liver,Muscle,
Function	cofactor:Divalent metal ions.,domain:The JAMM motif is essential for the protease activity of the CSN complex resulting in deneddylation of cullins. It constitutes the catalytic center of the complex.,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, IkapMABalpha/NFKBIA, ITPK1 and 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. In the comp



Background

The protein encoded by this gene is one of the eight subunits of COP9 signalosome, a highly conserved protein complex that functions as an important regulator in multiple signaling pathways. The structure and function of COP9 signalosome is similar to that of the 19S regulatory particle of 26S proteasome. COP9 signalosome has been shown to interact with SCF-type E3 ubiquitin ligases and act as a positive regulator of E3 ubiquitin ligases. This protein is reported to be involved in the degradation of cyclin-dependent kinase inhibitor CDKN1B/p27Kip1. It is also known to be an coactivator that increases the specificity of JUN/AP1 transcription factors. [provided by RefSeq, Jul 2008],

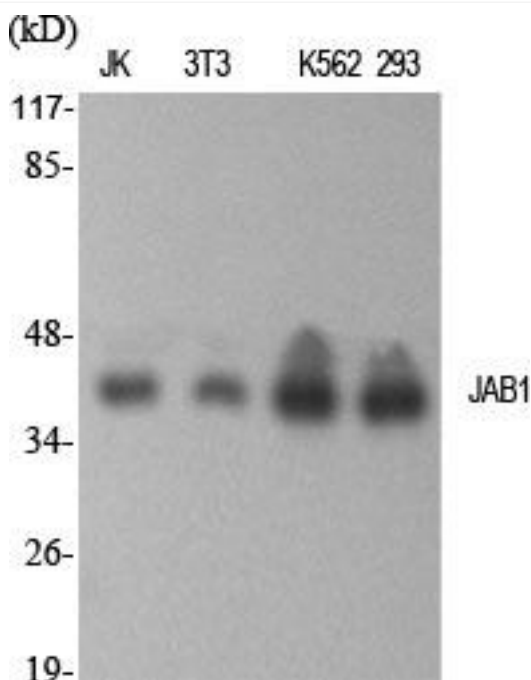
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using JAB1 Monoclonal Antibody