Best Tools for immunology Research

JAB1 Polyclonal Antibody

Catalog No :	YT2423
Reactivity :	Human;Mouse
Applications :	WB;IHC;IF;ELISA
Target :	JAB1
Gene Name :	COPS5
Protein Name :	COP9 signalosome complex subunit 5
Human Gene Id :	10987
Human Swiss Prot No :	Q92905
Mouse Gene Id :	26754
Mouse Swiss Prot No :	O35864
Immunogen :	The antiserum was produced against synthesized peptide derived from human COPS5. AA range:161-210
Specificity :	JAB1 Polyclonal Antibody detects endogenous levels of JAB1 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:5000.. IF 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 38kD

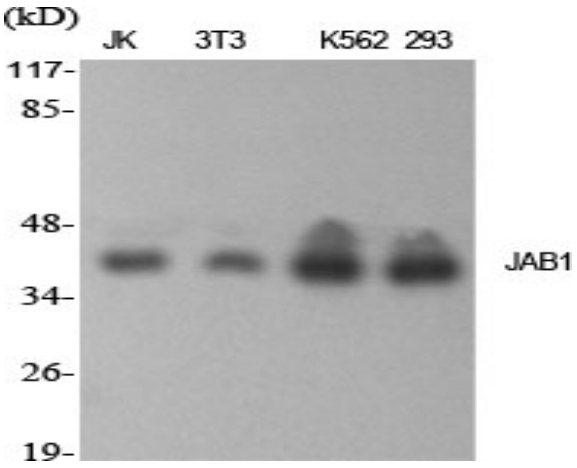
Background : The protein encoded by this gene is one of the eight subunits of COP9 signalosome, a highly conserved protein complex that functions as an important regulator in multiple signaling pathways. The structure and function of COP9 signalosome is similar to that of the 19S regulatory particle 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],

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, IkappaBalpha/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

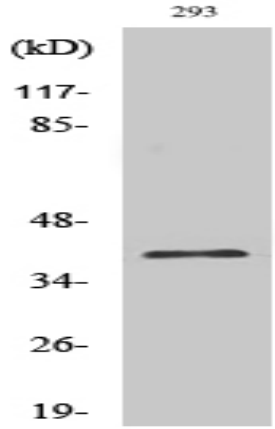
Subcellular Location : Cytoplasm, cytosol . Nucleus . Cytoplasm, perinuclear region . Cytoplasmic vesicle, secretory vesicle, synaptic vesicle . Nuclear localization is diminished in the presence of IFIT3. .

Expression : Brain,Cervix carcinoma,Eye,Liver,Muscle,

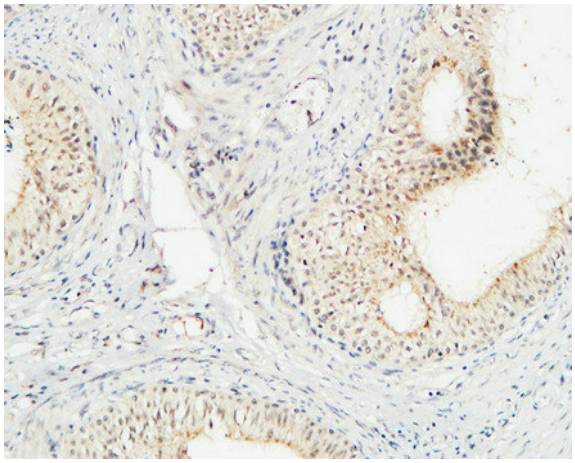
Products Images



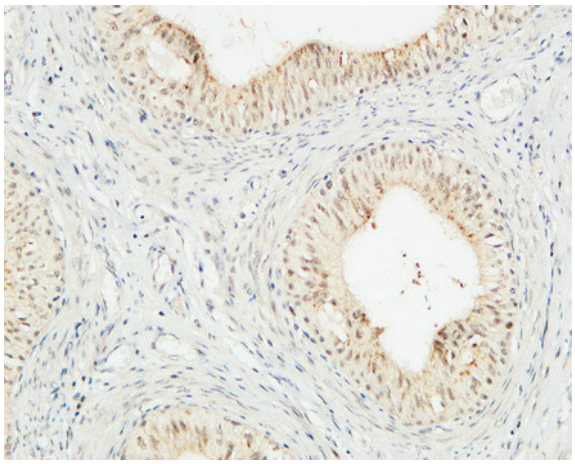
Western Blot analysis of various cells using JAB1 Polyclonal Antibody



Western Blot analysis of K562 cells using JAB1 Polyclonal Antibody



Immunohistochemical analysis of paraffin-embedded Human testis. 1, Antibody was diluted at 1:100(4° overnight). 2, High-pressure and temperature EDTA, pH8.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).



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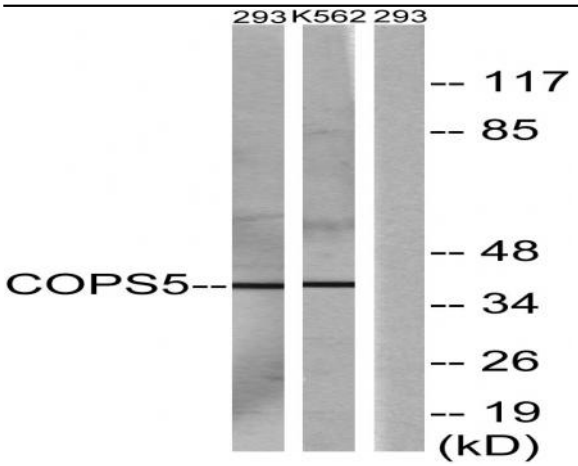

Western blot analysis of lysates from 293 and K562 cells, using COPS5 Antibody. The lane on the right is blocked with the synthesized peptide.