



# CSN1 Polyclonal Antibody

<b>Catalog No</b>	BYab-03797
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse;Rat
<b>Applications</b>	IHC;IF;ELISA
<b>Gene Name</b>	GPS1
<b>Protein Name</b>	COP9 signalosome complex subunit 1
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human COPS1. AA range:420-469
<b>Specificity</b>	CSN1 Polyclonal Antibody detects endogenous levels of CSN1 protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	IHC: 1/100 - 1/300. ELISA: 1/20000.. IF 1:50-200
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	GPS1; COPS1; CSN1; COP9 signalosome complex subunit 1; SGN1; Signalosome subunit 1; G protein pathway suppressor 1; GPS-1; JAB1-containing signalosome subunit 1; Protein MFH
<b>Observed Band</b>	
<b>Cell Pathway</b>	Cytoplasm . Nucleus .
<b>Tissue Specificity</b>	Widely expressed.
<b>Function</b>	domain:The N-terminal part (1-216), which is not required for deneddylating activity and CSN complex formation, is nevertheless essential for other aspects of CSN complex function, such as repression of c-fos/FOS expression.,domain:The PCI domain is necessary and sufficient for the interactions with other CSN subunits of the complex. Mediates the interaction with CAPN8.,function:Essential 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

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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

**Background**

This gene is known to suppress G-protein and mitogen-activated signal transduction in mammalian cells. The encoded protein shares significant similarity with Arabidopsis FUS6, which is a regulator of light-mediated signal transduction in plant cells. [provided by RefSeq, Mar 2016],

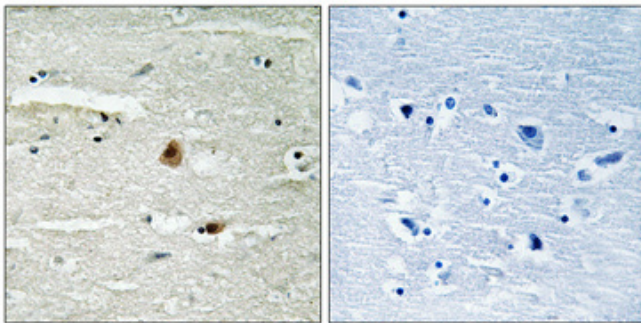
**matters needing attention**

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**



Immunohistochemical analysis of paraffin-embedded Human brain. Antibody was diluted at 1:100(4° overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negative contrl (right) obtained from antibody was pre-absorbed by immunogen peptide.