



## Rabbit Anti-CSN7b antibody

SL11540R

<b>Product Name:</b>	CSN7b
<b>Chinese Name:</b>	Signal transduction蛋白9复合体7b抗体
<b>Alias:</b>	COP9 Complex Homolog Subunit 7b; COP9 Constitutive Photomorphogenic Homolog Subunit 7b; COP9 Signalosome Subunit 7b; COP9 signalosome complex subunit 7b; COPS7B; CSN7B_HUMAN; JAB1 Containing Signalosome Subunit 7b; JAB1-containing signalosome subunit 7b; SGN7b; Signalosome subunit 7b.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Chicken,Dog,Cow,Horse,Sheep,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	29kDa
<b>Cellular localization:</b>	The nucleuscytoplasmic
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human CSN7b:201-264/264
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	The COP9 signalosome (CSN) complex is involved in several different developmental and cellular processes. The complex is made up of several widely expressed proteins: CSN1 (COPS1), CSN2 (COPS2), CSN3 (COPS3), CSN4 (COPS4), CSN5 (COPS5), CSN6 (COP6), CSN7a (COPS7, COPS7a) or CSN7b (COP7b) and CSN8 (COP8). The

CSN complex acts as a regulator for the ubiquitin conjugation pathway by mediating the deneddylation of the SCF-type E3 ligase complexes, which leads to a decrease in ubiquitin ligase activity of SCF-complexes. It is also involved in the phosphorylation of p53, c-Jun, I?B? and IRF-8, as well as CSN-dependent phosphorylation of p53, and c-Jun protects and promotes degradation by the Ubl system. CSN7 is phosphorylated by CK2 and is composed of two subunits; a and b. CSN7a contains a PCI (Proteasome CSN9 initiation factor 3) region, as well as a coiled-coil region and is predicted to interact with CSN2, CSN3, CSN4, CSN5, CSN6, CSN8, and GPS1. CSN7b contains only a PCI region and is predicted to interact with INT6.

**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, JUN, I-kappa-B-alpha/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.

**Subunit:**

Component of the CSN complex, composed of COPS1/GPS1, COPS2, COPS3, COPS4, COPS5, COP6, COPS7 (COPS7A or COPS7B) and COPS8. In the complex, it probably interacts directly with COPS1, COPS2, COPS4, COPS5, COPS6 and COPS8.

**Subcellular Location:**

Cytoplasm. Nucleus.

**Similarity:**

Belongs to the CSN7/EIF3M family. CSN7 subfamily.  
Contains 1 PCI domain.

**SWISS:**

Q9H9Q2

**Gene ID:**

64708

**Database links:**

[Entrez Gene: 64708](#)Human

[Entrez Gene: 26895](#)Mouse

[Entrez Gene: 363273](#)Rat

[Omim: 616010](#)Human

[SwissProt: Q9H9Q2](#)Human

[SwissProt: Q8BV13](#)Mouse

[Unigene: 335061](#)Human

[Unigene: 12973](#)Mouse

[Unigene: 33834](#)Rat

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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