



## Rabbit Anti-COPS3 antibody

SL23085R

<b>Product Name:</b>	COPS3
<b>Chinese Name:</b>	COP9信号复合体亚基3抗体
<b>Alias:</b>	COP9 Signalosome Complex Subunit 3; CSN10; JAB1 Containing Signalosome Subunit 3; SGN3; Signalosome Subunit 3; CSN3_HUMAN.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Dog,Pig,Cow,Rabbit,Sheep,
<b>Applications:</b>	ELISA=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>	48kDa
<b>Cellular localization:</b>	The nucleocytoplasmic
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human COPS3:261-360/423
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	Preservative: 15mM Sodium Azide, Constituents: 1% BSA, 0.01M PBS, pH 7.4
<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 protein encoded by this gene possesses kinase activity that phosphorylates regulators involved in signal transduction. It phosphorylates I kappa-Balpha, p105, and c-Jun. It acts as a docking site for complex-mediated phosphorylation. The gene is located within the Smith-Magenis syndrome region on chromosome 17. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2010].

**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, c-jun/JUN, IkappaBalpha/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, COPS4 and COPS8. Interacts with CK2 and PKD. Interacts with the translation initiation factor EIF3S6 and IKBKG.

**Subcellular Location:**

Cytoplasmic and Nuclear.

**Tissue Specificity:**

Widely expressed. Expressed at high level in heart and skeletal muscle.

**Post-translational modifications:**

Phosphorylated upon DNA damage, probably by ATM or ATR.

**Similarity:**

Belongs to the CSN3 family.  
Contains 1 PCI domain.

**SWISS:**

Q9UNS2

**Gene ID:**

8533

**Database links:**

[Entrez Gene: 8533](#)Human

[Entrez Gene: 26572](#)Mouse

[Entrez Gene: 287367](#)Rat

[Omim: 604665](#)Human

[SwissProt: Q9UNS2](#)Human

[SwissProt: O88543](#)Mouse

[SwissProt: Q68FW9](#)Rat

[Unigene: 6076](#)Human

[Unigene: 40](#)Mouse

[Unigene: 3963](#)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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