

## CSN3 Rabbit pAb

CatalogNo: YT1134

### | Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human, Mouse, Rat

#### Applications

- WB, IHC, IF, ELISA

#### MW

- 47kD (Observed)

#### Isotype

- IgG

### | Recommended Dilution Ratios

**WB 1:500-1:2000**

**IHC 1:100-1:300**

**IF 1:200-1:1000**

**ELISA 1:10000**

**Not yet tested in other applications.**

### | Storage

#### Storage\*

-15°C to -25°C/1 year (Do not lower than -25°C)

#### Formulation

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

### | Basic Information

#### Clonality

Polyclonal

### | Immunogen Information

#### Immunogen

The antiserum was produced against synthesized peptide derived from human JAB1. AA range: 374-423

#### Specificity

CSN3 Polyclonal Antibody detects endogenous levels of CSN3 protein.

## | Target Information

**Gene name** COPS3

**Protein Name** COP9 signalosome complex subunit 3

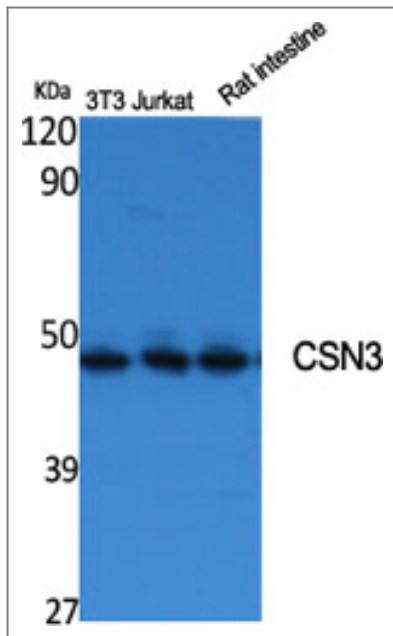
| Organism | Gene ID                  | UniProt ID               |
|----------|--------------------------|--------------------------|
| Human    | <a href="#">8533</a> ;   | <a href="#">Q9UNS2</a> ; |
| Mouse    | <a href="#">26572</a> ;  | <a href="#">O88543</a> ; |
| Rat      | <a href="#">287367</a> ; | <a href="#">Q68FW9</a> ; |

**Cellular Localization** Cytoplasm . Nucleus .

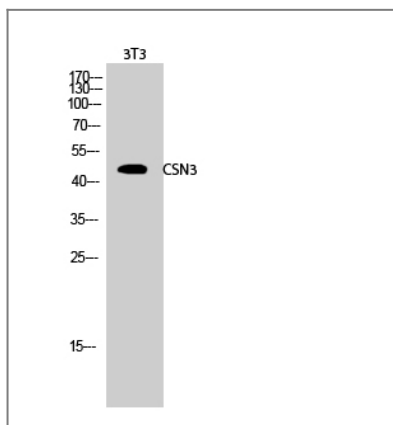
**Tissue specificity** Widely expressed. Expressed at high level in heart and skeletal muscle.

**Function** 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.,miscellaneous:Amplified and overexpressed in some osteosarcomas (OS), suggesting that it may participate in TP53 degradation in OS.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Belongs to the CSN3 family.,similarity:Contains 1 PCI domain.,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.,tissue specificity:Widely expressed. Expressed at high level in heart and skeletal muscle.,

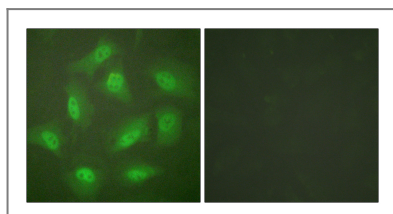
## | Validation Data



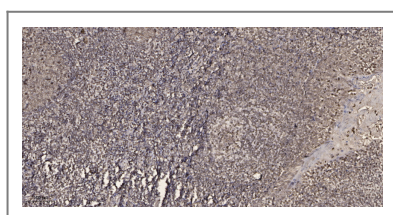
Western Blot analysis of various cells using CSN3 Polyclonal Antibody



Western Blot analysis of 3T3 cells using CSN3 Polyclonal Antibody



Immunofluorescence analysis of HeLa cells, using JAB1 Antibody. The picture on the right is blocked with the synthesized peptide.



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).

## Contact information

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