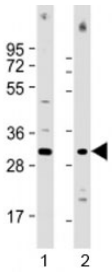
# COPS7B Antibody / CSN7b (F53955)

| Catalog No. | Formulation | Size |
|---|---|---|
| F53955-0.2ML | In 1X PBS, pH 7.4, with 0.09% sodium azide | 0.2 ml |
| F53955-0.05ML | In 1X PBS, pH 7.4, with 0.09% sodium azide | 0.05 ml |

**Bulk quote request**

| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human |
| **Predicted Reactivity** | Bovine |
| **Format** | Antigen affinity purified |
| **Host** | Rabbit |
| **Clonality** | Polyclonal (rabbit origin) |
| **Isotype** | Rabbit Ig |
| **Purity** | Antigen affinity |
| **UniProt** | Q9H9Q2 |
| **Applications** | Western blot: 1:500-1:1000 |
| **Limitations** | This COPS7B antibody is available for research use only. |




Western blot testing of human 1) Jurkat and 2) HL-60 cell lysate with COPS7B antibody at 1:1000. Predicted molecular weight: 30 kDa.

## Description

COP9 signalosome complex subunit 7b is a 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.

## Application Notes

Titration of the COPS7B antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

A portion of amino acids 223-257 from the human protein was used as the immunogen for the COPS7B antibody.

## Storage

Aliquot the COPS7B antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.


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