

Datasheet for ABIN1409768  
**anti-COPS7B antibody (AA 201-264) (HRP)**



[Go to Product page](#)

## Overview

|                      |                                                                                                                                                  |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                                                                           |
| Target:              | COPS7B                                                                                                                                           |
| Binding Specificity: | AA 201-264                                                                                                                                       |
| Reactivity:          | Human                                                                                                                                            |
| Host:                | Rabbit                                                                                                                                           |
| Clonality:           | Polyclonal                                                                                                                                       |
| Conjugate:           | This COPS7B antibody is conjugated to HRP                                                                                                        |
| Application:         | Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)),<br>Immunohistochemistry (Frozen Sections) (IHC (fro)) |

## Product Details

|                       |                                                           |
|-----------------------|-----------------------------------------------------------|
| Immunogen:            | KLH conjugated synthetic peptide derived from human CSN7b |
| Isotype:              | IgG                                                       |
| Predicted Reactivity: | Human,Mouse,Rat,Dog,Cow,Sheep,Horse,Chicken               |
| Purification:         | Purified by Protein A.                                    |

## Target Details

|                   |                                                                               |
|-------------------|-------------------------------------------------------------------------------|
| Target:           | COPS7B                                                                        |
| Alternative Name: | CSN7b ( <a href="#">COPS7B Products</a> )                                     |
| Background:       | Synonyms: COP9 Complex Homolog Subunit 7b; COP9 Constitutive Photomorphogenic |

## Target Details

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.

Background: 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 $\kappa$ B $\alpha$  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.

Pathways: [Cell Division Cycle](#)

## Application Details

Application Notes: WB 1:300-5000  
IHC-P 1:200-400  
IHC-F 1:100-500

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 1  $\mu$ g/ $\mu$ L

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Handling Advice: Do NOT add Sodium Azide! Use of Sodium Azide will inhibit enzyme activity of horseradish

Handling

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|                  |                                                                                   |
|------------------|-----------------------------------------------------------------------------------|
|                  | peroxidase.                                                                       |
| Storage:         | -20 °C                                                                            |
| Storage Comment: | Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles. |
| Expiry Date:     | 12 months                                                                         |