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Datasheet for ABIN1391875  
**anti-COPS7B antibody (AA 201-264) (Biotin)**

### Overview

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

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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.

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Pathways: [Cell Division Cycle](#)

## Application Details

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

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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

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

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Preservative: ProClin

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

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Storage: -20  $^{\circ}$ C

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## Handling

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Storage Comment: Store at -20°C for 12 months.

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Expiry Date: 12 months