

Datasheet for ABIN7148503  
**anti-COPS7B antibody (AA 1-157)**

## 3 Images

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## Overview

Quantity:	100 µg
Target:	COPS7B
Binding Specificity:	AA 1-157
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This COPS7B antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

## Product Details

Immunogen:	Recombinant Human COP9 signalosome complex subunit 7b protein (1-157AA)
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Purification:	>95%, Protein G purified

## Target Details

Target:	COPS7B
Alternative Name:	COPS7B ( <a href="#">COPS7B Products</a> )
Background:	Background: 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

## Target Details

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.

Aliases: COP9 Complex Homolog Subunit 7b antibody, COP9 Constitutive Photomorphogenic Homolog Subunit 7b antibody, COP9 Signalosome Subunit 7b antibody, COP9 signalosome complex subunit 7b antibody, COPS7B antibody, CSN7B\_HUMAN antibody, JAB1 Containing Signalosome Subunit 7b antibody, JAB1-containing signalosome subunit 7b antibody, SGN7b antibody, Signalosome subunit 7b antibody

UniProt: [Q9H9Q2](#)

Pathways: [Cell Division Cycle](#)

## Application Details

Application Notes: Recommended dilution: WB:1:2000-1:5000, IHC:1:20-1:200, IF:1:50-1:200,

Restrictions: For Research Use only

## Handling

Format: Liquid

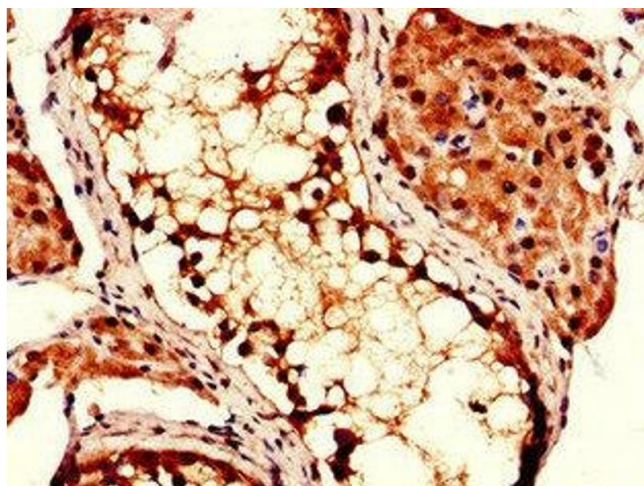
Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

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

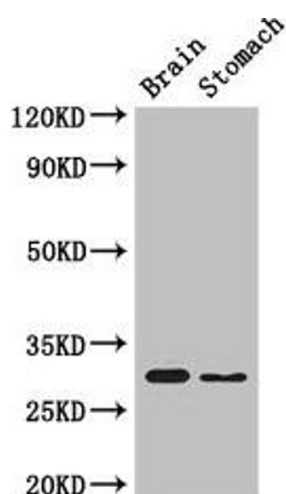
Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



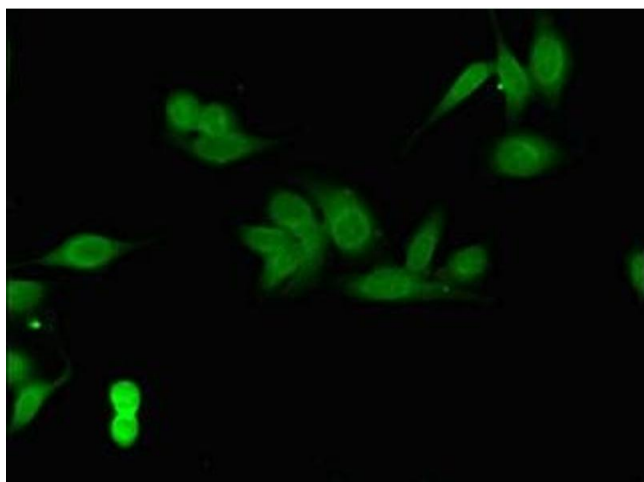
### Immunohistochemistry

**Image 1.** Immunohistochemistry of paraffin-embedded human testis tissue using ABIN7148503 at dilution of 1:100



### Western Blotting

**Image 2.** Western Blot Positive WB detected in: Mouse brain tissue, Mouse stomach tissue All lanes: COPS7B antibody at 3 µg/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 30, 19, 31 kDa Observed band size: 30 kDa



### Immunofluorescence

**Image 3.** Immunofluorescent analysis of HeLa cells using ABIN7148503 at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)