Datasheet for ABIN6243119

# anti-COPS7B antibody (AA 61-95)

3 Images

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## Overview

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|---|---|
| Quantity: | 200 µL |
| Target: | COPS7B |
| Binding Specificity: | AA 61-95 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This COPS7B antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS) |

## Product Details

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|---|---|
| Immunogen: | This COPS7B antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 61-95 amino acids from human COPS7B. |
| Clone: | RB56230 |
| Isotype: | Ig Fraction |
| Predicted Reactivity: | B |
| Purification: | This antibody is purified through a protein A column, followed by peptide affinity purification. |

## Target Details

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|---|---|
| Target: | COPS7B |

## Target Details

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| Alternative Name: | COPS7B (COPS7B Products) |
| 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 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. |
| Molecular Weight: | 29622 |
| UniProt: | Q9H9Q2 |
| Pathways: | Cell Division Cycle |

## Application Details

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| Application Notes: | WB: 1:2000. IHC-P: 1:25. FC: 1:25 |
| Restrictions: | For Research Use only |

## Handling

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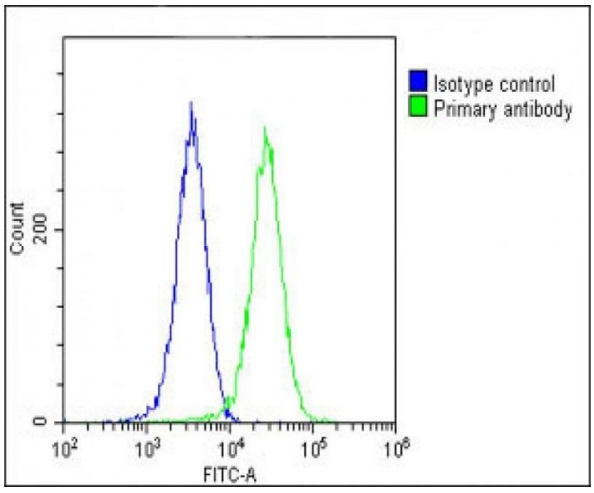
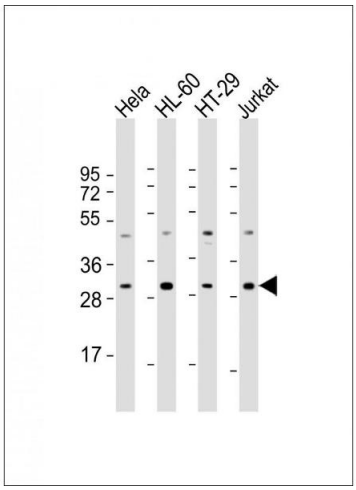
| Format: | Liquid |
| Buffer: | Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | 4 °C,-20 °C |
| Expiry Date: | 6 months |



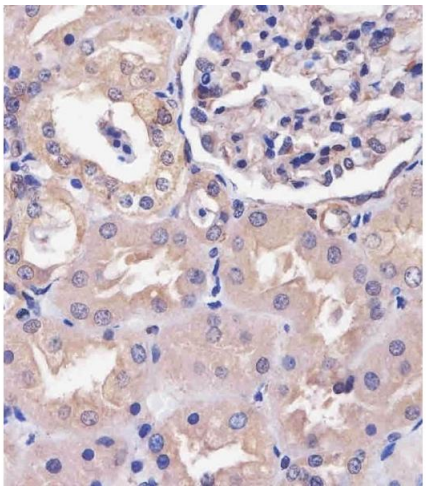

## Flow Cytometry

**Image 1.** Overlay histogram showing Hela cells stained with (ABIN6243119 and ABIN6578706)(green line). The cells were fixed with 2 % paraformaldehyde (10 min) and then permeabilized with 90 % methanol for 10 min. The cells were then icubated in 2 % bovine serum albumin to block non-specific protein-protein interactions followed by the antibody ((ABIN6243119 and ABIN6578706), 1:25 dilution) for 60 min at 37 °C. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed(OH191631) at 1/200 dilution for 40 min at 37 °C. Isotype control antibody (blue line) was rabbit IgG1 (1 µg/1x10^6 cells) used under the same conditions. Acquisition of >10, 000 events was performed.




## Western Blotting

**Image 2.** All lanes : Anti-COPS7B Antibody (N-Term) at 1:2000 dilution Lane 1: Hela whole cell lysate Lane 2: HL-60 whole cell lysate Lane 3: HT-29 whole cell lysate Lane 4: Jurkat whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 30 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.



## Immunohistochemistry (Paraffin-embedded Sections)

**Image 3.** (ABIN6243119 and ABIN6578706) staining COPS7B in human kidney tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 3 % BSA for 0. 5 hour at room temperature, antigen retrieval was by heat mediation with a citrate buffer ( pH 6). Samples were incubated with primary antibody (1/25) for 1 hours at 37 °C. A undiluted biotinylated goat polyvalent antibody was used as the

secondary antibody.