

# KD-Validated Anti-COPS3 Rabbit Monoclonal Antibody

*Rabbit monoclonal antibody*

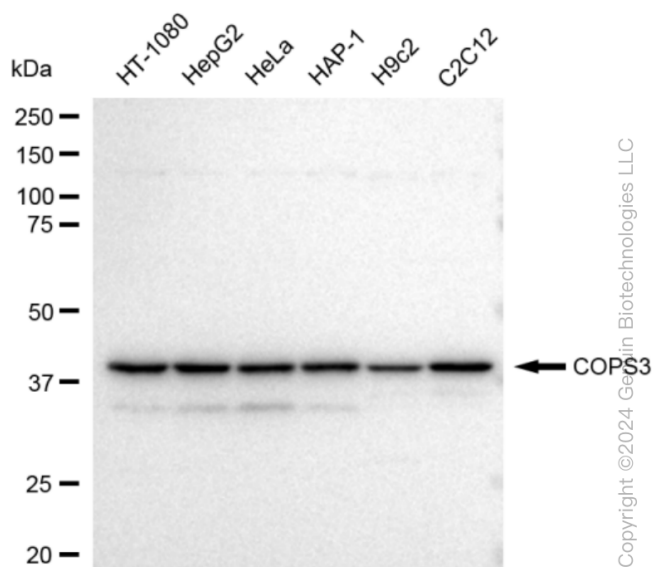
ABG1353

## Product Overview

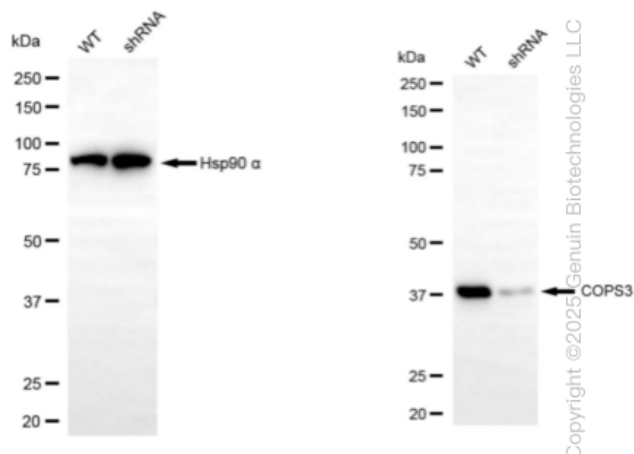
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|-----------------------------|--------------------------------------------------------------------------------------------------------------|
| <b>Name</b>                 | KD-Validated Anti-COPS3 Rabbit Monoclonal Antibody                                                           |
| <b>Accession(Primary)</b>   | Q9UNS2                                                                                                       |
| <b>Host Species</b>         | Rabbit                                                                                                       |
| <b>Clonality</b>            | Monoclonal                                                                                                   |
| <b>Isotype</b>              | Rabbit IgG                                                                                                   |
| <b>Immunogen</b>            | A synthesized peptide derived from human COPS3                                                               |
| <b>Species Reactivity</b>   | Human, Mouse, Rat                                                                                            |
| <b>Calculated MW</b>        | Predicted, 48 kDa, observed, 40-55 kDa                                                                       |
| <b>Storage Buffer</b>       | Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.                                    |
| <b>Recommended Dilution</b> | Western Blotting (WB): 1:1,000-1:5,000 Flow Cytometry (FCM): 1:2,000 Immunocytochemistry (IC): 1:100-1:1,000 |

## Target information (Q9UNS2)

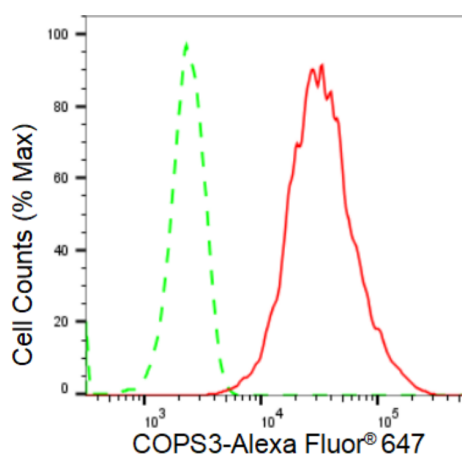
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|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>         | COPS3                                                                                                                                                                                                                                                                                                               |
| <b>About Gene Symbol</b> | COPS3 (COP9 Signalosome Subunit 3) is a protein kinase and signaling regulator involved in cell signaling and proliferation. It is an important research target in cancer, cell signaling, and therapeutic target research and is widely studied to elucidate cellular mechanisms and identify therapeutic targets. |



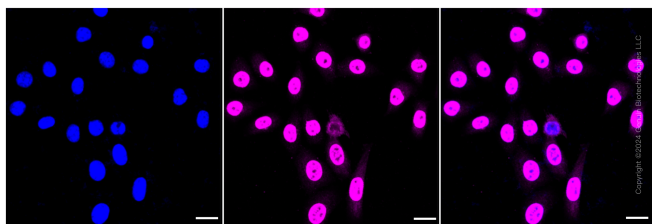
Western blotting analysis using anti-COPS3 antibody (Cat#ABG1353). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-COPS3 antibody (Cat#ABG1353, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti-COPS3 antibody (Cat#ABG1353). COPS3 expression in wild type (WT) and COPS3 shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with anti-COPS3 antibody (Cat#ABG1353, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Flow cytometric analysis of COPS3 expression in HepG2 cells using COPS3 antibody (Cat#ABG1353, 1:2,000). Green, isotype control; red, COPS3.



Immunocytochemical staining of HepG2 cells with COPS3 antibody (Cat#ABG1353, 1:1,000). Nuclei were stained blue with DAPI; COPS3 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: High. Scale bar: 20  $\mu$ m.