

Product Name: KD-Validated COPS3 Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA01375**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 47.9kDa

Antigen Information

Gene Name	COPS3 COPS3; COP9 Signalosome Subunit 3; SGN3; CSN3; JAB1-Containing Signalosome Subunit 3; COP9 Signalosome Complex Subunit 3; Signalosome Subunit 3; COP9 (Constitutive
Alternative Names	Photomorphogenic, Arabidopsis, Homolog) Subunit 3; COP9 Constitutive Photomorphogenic Homolog Subunit 3 (Arabidopsis); COP9 Constitutive Photomorphogenic Homolog Subunit 3; COP9 Complex Subunit 3
Gene ID	8533.0
SwissProt ID	Q9UNS2
Immunogen	A synthesized peptide derived from human COPS3

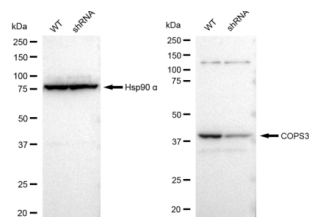
Background

The protein encoded by this gene possesses kinase activity that phosphorylates regulators involved in signal transduction. It phosphorylates I kappa-Balpa, p105, and c-Jun. It acts as a docking site for complex-mediated phosphorylation. The gene is located within the Smith-Magenis syndrome region on chromosome 17. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2015]

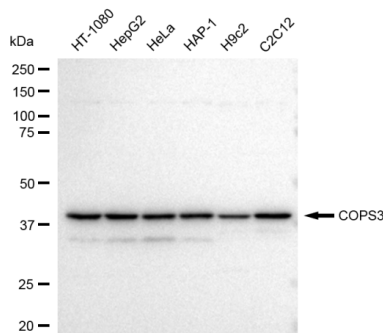
Research Area

Neuroscience, Cell Biology

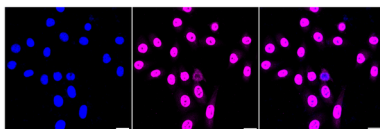
Image Data



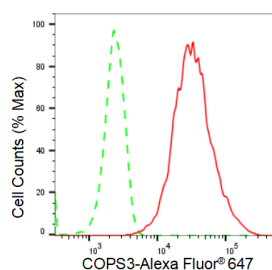
Western blotting analysis using COPS3 antibody (KVA01375). COPS3 expression in wild type (WT) and COPS3 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with COPS3 antibody (KVA01375, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using COPS3 antibody (KVA01375). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with COPS3 antibody (KVA01375, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HepG2 cells with COPS3 antibody (KVA01375, 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 µm.



Flow cytometric analysis of COPS3 expression in HepG2 cells using COPS3 antibody (KVA01375, 1:2,000). Green, isotype control; red, COPS3.