

KD-Validated Anti-COPS3 Rabbit Polyclonal Antibody
Rabbit polyclonal antibody
Catalog # AGI2134**Specification****KD-Validated Anti-COPS3 Rabbit Polyclonal Antibody - Product Information**

Application	WB
Primary Accession	Q9UNS2
Reactivity	Rat, Human, Mouse
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	Predicted, 48 kDa, observed, 40 kDa kDa
Gene Name	COPS3
Aliases	COPS3; COP9 Signalosome Subunit 3; SGN3; CSN3; JAB1-Containing Signalosome Subunit 3; COP9 Signalosome Complex Subunit 3; Signalosome Subunit 3; COP9 (Constitutive Photomorphogenic, Arabidopsis, Homolog) Subunit 3; COP9 Constitutive Photomorphogenic Homolog Subunit 3 (Arabidopsis); COP9 Constitutive Photomorphogenic Homolog Subunit 3; COP9 Complex Subunit 3
Immunogen	A synthesized peptide derived from human COPS3

KD-Validated Anti-COPS3 Rabbit Polyclonal Antibody - Additional Information

Gene ID	8533
Other Names	
COP9 signalosome complex subunit 3, SGN3, Signalosome subunit 3, JAB1-containing signalosome subunit 3, COPS3, CSN3	

KD-Validated Anti-COPS3 Rabbit Polyclonal Antibody - Protein Information**Name** COPS3**Synonyms** CSN3**Function**

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, c-jun/JUN, IκappaBα/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.

Cellular Location

Cytoplasm. Nucleus

Tissue Location

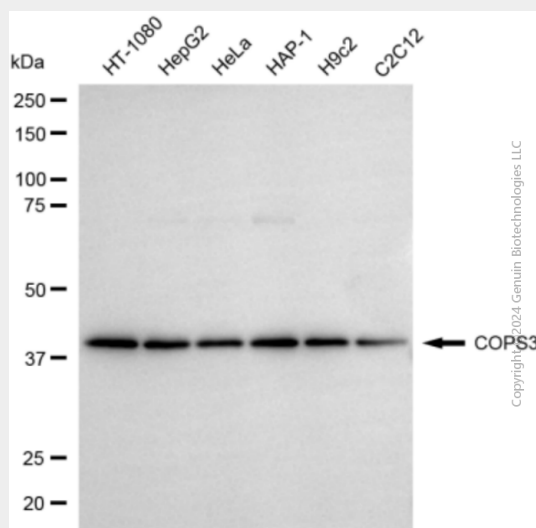
Widely expressed. Expressed at high level in heart and skeletal muscle.

KD-Validated Anti-COPS3 Rabbit Polyclonal Antibody - Protocols

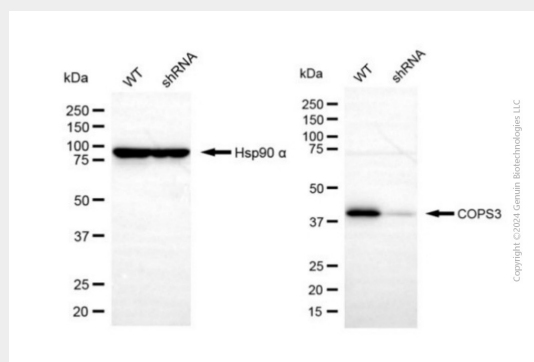
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

KD-Validated Anti-COPS3 Rabbit Polyclonal Antibody - Images



Western blotting analysis using anti-COPS3 antibody (Cat#AGI2134). 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#AGI2134, 1:2,500) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



Western blotting analysis using anti-COPS3 antibody (Cat #AGI2134). 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 #AGI2134, 1:2,500) and HRP-conjugated goat anti-rabbit secondary antibody respectively.