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COPS3 Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP7863b

Specification

COPS3 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession O9UNS2

COPS3 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 8533

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

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP7863b was selected from the C-term region of human COPS3. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

COPS3 Antibody (C-term) Blocking Peptide - Protein Information

Name COPS3

COPS3 Antibody (C-term) Blocking Peptide - Background

COPS3 possesses kinase activity that phosphorylates regulators involved in signal transduction. This protein phosphorylates I kappa-Balpha, p105, and c-Jun. It acts as a docking site for complex-mediated phosphorylation.

COPS3 Antibody (C-term) Blocking Peptide - References

Henriksen J., Aagesen T.H., Maelandsmo G.M.,.Oncogene 22:5358-5361(2003)Potocki L., Chen K.-S., Lupski J.R.Genomics 57:180-182(1999)Bech-Otschir D., Kraft R., Huang X.,EMBO J. 20:1630-1639(2001)

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, IkappaBalpha/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.

COPS3 Antibody (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides