

COPS6 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP2869c**Specification****COPS6 Antibody (Center) Blocking Peptide - Product Information**Primary Accession [Q7L5N1](#)**COPS6 Antibody (Center) Blocking Peptide - Additional Information**

Gene ID 10980

Other NamesCOP9 signalosome complex subunit 6,
SGN6, Signalosome subunit 6,
JAB1-containing signalosome subunit 6,
MOV34 homolog, Vpr-interacting protein,
hVIP, COPS6, CSN6, HVIP**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP2869c](/products/AP2869c) was selected from the Center region of human COPS6. 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.

COPS6 Antibody (Center) Blocking Peptide - Protein Information**COPS6 Antibody (Center) Blocking Peptide - Background**

COPS6 is one of the eight subunits of COP9 signalosome, a highly conserved protein complex that functions as an important regulator in multiple signaling pathways. The structure and function of COP9 signalosome is similar to that of the 19S regulatory particle of 26S proteasome. COP9 signalosome has been shown to interact with SCF-type E3 ubiquitin ligases and act as a positive regulator of E3 ubiquitin ligases. This protein belongs to translation initiation factor 3 (eIF3) superfamily. It is involved in the regulation of cell cycle and likely to be a cellular cofactor for HIV-1 accessory gene product Vpr.

COPS6 Antibody (Center) Blocking Peptide - References

Zhao L.-J., Mukherjee S., Narayan O.J. Biol. Chem. 269:15577-15582(1994)Mahalingam S., Ayyavoo V.Proc. Natl. Acad. Sci. U.S.A. 95:3419-3424(1998)Groisman R., Polanowska J., Kuraoka I.Cell 113:357-367(2003)Hoareau Alves K., Bochar V.FEBS Lett. 527:15-21(2002)

Name COPS6

Synonyms CSN6, HVIP

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, 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. Has some glucocorticoid receptor-responsive activity. Stabilizes COP1 through reducing COP1 auto-ubiquitination and decelerating COP1 turnover rate, hence regulates the ubiquitination of COP1 targets.

Cellular Location

Nucleus. Cytoplasm

Tissue Location

Widely expressed..

**COPS6 Antibody (Center) Blocking Peptide
- Protocols**

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

- [Blocking Peptides](#)