

COPS8 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP14987a**Specification**

COPS8 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [Q99627](#)**COPS8 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 10920**Other Names**

COP9 signalosome complex subunit 8, SGN8, Signalosome subunit 8, COP9 homolog, hCOP9, JAB1-containing signalosome subunit 8, COPS8, CSN8

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.

COPS8 Antibody (N-term) Blocking Peptide - Protein Information**Name** COPS8**Synonyms** CSN8**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

COPS8 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

COPS8 Antibody (N-term) Blocking Peptide - Images

COPS8 Antibody (N-term) Blocking Peptide - Background

The protein encoded by this gene 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. Alternatively spliced transcript variants encoding distinct isoforms have been observed.

COPS8 Antibody (N-term) Blocking Peptide - References

Enchev, R.I., et al. Structure 18(4):518-527(2010) Miyauchi, Y., et al. J. Biol. Chem. 283(24):16622-16631(2008) Schweitzer, K., et al. EMBO J. 26(6):1532-1541(2007) Lamesch, P., et al. Genomics 89(3):307-315(2007) Wang, Y., et al. FEBS Lett. 572 (1-3), 85-91 (2004) :