

**GPS1 Antibody (Center) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP12706c****Specification**

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**GPS1 Antibody (Center) Blocking peptide - Product Information**Primary Accession [Q13098](#)**GPS1 Antibody (Center) Blocking peptide - Additional Information****Gene ID** 2873**Other Names**

COP9 signalosome complex subunit 1, SGN1, Signalosome subunit 1, G protein pathway suppressor 1, GPS-1, JAB1-containing signalosome subunit 1, Protein MFH, GPS1, COPS1, CSN1

**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.

**GPS1 Antibody (Center) Blocking peptide - Protein Information****Name** GPS1**Synonyms** COPS1, CSN1**Function**

Essential 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. Suppresses G-protein- and mitogen-activated protein kinase-mediated signal transduction.

**Cellular Location**

Cytoplasm. Nucleus

**Tissue Location**

Widely expressed..

**GPS1 Antibody (Center) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

**GPS1 Antibody (Center) Blocking peptide - Images****GPS1 Antibody (Center) Blocking peptide - Background**

This gene is known to suppress G-protein and mitogen-activated signal transduction in mammalian cells. The encoded protein shares significant similarity with Arabidopsis FUS6, which is a regulator of light-mediated signal transduction in plant cells. Two alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq].

**GPS1 Antibody (Center) Blocking peptide - References**

Matsuoka, S., et al. Science 316(5828):1160-1166(2007) Ewing, R.M., et al. Mol. Syst. Biol. 3, 89 (2007) : Olsen, J.V., et al. Cell 127(3):635-648(2006) Beausoleil, S.A., et al. Nat. Biotechnol. 24(10):1285-1292(2006) Wang, Y., et al. FEBS Lett. 572 (1-3), 85-91 (2004) :