

**C13orf18 Antibody (Center) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP5893c****Specification**

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**C13orf18 Antibody (Center) Blocking peptide - Product Information**

Primary Accession [O9H714](#)  
Other Accession [NP\\_079389.2](#)

**C13orf18 Antibody (Center) Blocking peptide - Additional Information**

**Gene ID** 80183

**Other Names**

Uncharacterized protein KIAA0226-like, KIAA0226L, C13orf18

**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.

**C13orf18 Antibody (Center) Blocking peptide - Protein Information**

**Name** RUBCNL ([HGNC:20420](#))

**Function**

Regulator of autophagy that promotes autophagosome maturation by facilitating the biogenesis of phosphatidylinositol 3-phosphate (PtdIns(3)P) in late steps of autophagy (PubMed:<a href="http://www.uniprot.org/citations/28306502" target="\_blank">28306502</a>, PubMed:<a href="http://www.uniprot.org/citations/30704899" target="\_blank">30704899</a>). Acts by antagonizing RUBCN, thereby stimulating phosphatidylinositol 3-kinase activity of the PI3K/PI3KC3 complex (PubMed:<a href="http://www.uniprot.org/citations/28306502" target="\_blank">28306502</a>). Following anchorage to the autophagosomal SNARE STX17, promotes the recruitment of PI3K/PI3KC3 and HOPS complexes to the autophagosome to regulate the fusion specificity of autophagosomes with late endosomes/lysosomes (PubMed:<a href="http://www.uniprot.org/citations/28306502" target="\_blank">28306502</a>). Binds phosphoinositides phosphatidylinositol 3-phosphate (PtdIns(3)P), 4-phosphate (PtdIns(4)P) and 5-phosphate (PtdIns(5)P) (PubMed:<a href="http://www.uniprot.org/citations/28306502" target="\_blank">28306502</a>). In addition to its role in autophagy, acts as a regulator of lipid and glycogen homeostasis (By similarity). May act as a tumor suppressor (Probable).

**Cellular Location**

Cytoplasmic vesicle, autophagosome membrane; Peripheral membrane protein. Note=Associates

with late autophagic structure (PubMed:28306502). Recruitment to autophagosome membrane is promoted by autophagic stimuli (PubMed:28306502)

**Tissue Location**

Expressed weakly in cervical carcinoma cell lines.

**C13orf18 Antibody (Center) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

**C13orf18 Antibody (Center) Blocking peptide - Images**