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C13orf18 Antibody (Center) Blocking peptide

Synthetic peptide
Catalog # BP5893c

Specification

C13orf18 Antibody (Center) Blocking peptide - Product Information

Primary Accession	Q9H714
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:28306502, PubMed:30704899). Acts by antagonizing RUBCN, thereby stimulating phosphatidylinositol 3-kinase activity of the PI3K/PI3KC3 complex (PubMed:28306502). 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:28306502). Binds phosphoinositides phosphatidylinositol 3-phosphate (PtdIns(3)P), 4- phosphate (PtdIns(4)P) and 5-phosphate (PtdIns(5)P) (PubMed:28306502). 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