

RAB18 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP9405c**Specification**

RAB18 Antibody (Center) Blocking Peptide - Product Information

Primary Accession [O9NP72](#)
Other Accession [NP_067075](#)

RAB18 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 22931

Other Names

Ras-related protein Rab-18, RAB18

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.

RAB18 Antibody (Center) Blocking Peptide - Protein Information

Name RAB18

Function

The small GTPases Rab are key regulators of intracellular membrane trafficking, from the formation of transport vesicles to their fusion with membranes (PubMed:24891604, PubMed:30970241). Rabs cycle between an inactive GDP-bound form and an active GTP-bound form that is able to recruit to membranes different sets of downstream effectors directly responsible for vesicle formation, movement, tethering and fusion (PubMed:24891604, PubMed:30970241). Required for the localization of ZFYVE1 to lipid droplets and for its function in mediating the formation of endoplasmic reticulum-lipid droplets (ER-LD) contacts (PubMed:30970241). Also required for maintaining endoplasmic reticulum structure (PubMed:24891604). Plays a role in apical endocytosis/recycling (By similarity). Plays a key role in eye and brain development and neurodegeneration (PubMed:21473985).

Cellular Location

Apical cell membrane {ECO:0000250|UniProtKB:P35293}. Lipid droplet. Endoplasmic reticulum membrane

Tissue Location

Ubiquitous.

RAB18 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

RAB18 Antibody (Center) Blocking Peptide - Images**RAB18 Antibody (Center) Blocking Peptide - Background**

RAB18 proteins are members of a family of Ras-related small GTPases that regulate membrane trafficking in organelles and transport vesicles.

RAB18 Antibody (Center) Blocking Peptide - References

Dejgaard, S.Y., et al. J. Cell. Sci. 121 (PT 16), 2768-2781 (2008) :Vazquez-Martinez, R., et al. J. Clin. Endocrinol. Metab. 93(6):2269-2276(2008)Ohsaki, Y., et al. Biochem. Biophys. Res. Commun. 347(1):279-287(2006)Martin, S., et al. J. Biol. Chem. 280(51):42325-42335(2005)Dou, T., et al. DNA Seq. 16(3):230-234(2005)