

**Mouse Rab17 Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP18691c****Specification**

---

**Mouse Rab17 Antibody (Center) Blocking Peptide - Product Information**Primary Accession [P35292](#)**Mouse Rab17 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 19329**Other Names**

Ras-related protein Rab-17, Rab17

**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.

**Mouse Rab17 Antibody (Center) Blocking Peptide - Protein Information****Name** Rab17**Function**

The small GTPases Rab are key regulators of intracellular membrane trafficking, from the formation of transport vesicles to their fusion with membranes. Rabs cycle between an inactive GDP-bound form and an active GTP-bound form that is able to recruit to membranes different set of downstream effectors directly responsible for vesicle formation, movement, tethering and fusion. That Rab is involved in transcytosis, the directed movement of endocytosed material through the cell and its exocytosis from the plasma membrane at the opposite side. Mainly observed in epithelial cells, transcytosis mediates for instance, the transcellular transport of immunoglobulins from the basolateral surface to the apical surface. Most probably controls membrane trafficking through apical recycling endosomes in a post- endocytic step of transcytosis. Required for melanosome transport and release from melanocytes, it also regulates dendrite and dendritic spine development. May also play a role in cell migration.

**Cellular Location**

Recycling endosome membrane; Lipid-anchor; Cytoplasmic side. Melanosome Cell projection, dendrite. Note=According to a report the protein is localized at the basolateral and apical plasma membrane of kidney epithelial cells (PubMed:8486736). It was later shown to localize to the apical recycling endosome in epithelial cells (PubMed:21291502). In neurons, localizes to the cell body and dendritic shaft and spine (PubMed:22291024)

**Tissue Location**

Expressed in kidney, liver, and intestine mainly by epithelial cells. Expressed in hippocampus (at protein level)

**Mouse Rab17 Antibody (Center) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**Mouse Rab17 Antibody (Center) Blocking Peptide - Images****Mouse Rab17 Antibody (Center) Blocking Peptide - Background**

Rab17 might be involved in transcellular transport.

**Mouse Rab17 Antibody (Center) Blocking Peptide - References**

Itoh, T., et al. Genes Cells 11(9):1023-1037(2006)Fukuda, M. J. Biol. Chem. 278(17):15373-15380(2003)Fukuda, M., et al. J. Biol. Chem. 277(14):12432-12436(2002)Kuroda, T.S., et al. J. Biol. Chem. 277(11):9212-9218(2002)Lehtonen, S., et al. Int. J. Dev. Biol. 43(5):425-433(1999)