

**Mouse Rab17 Antibody (Center)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP18691C**

**Specification**

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**Mouse Rab17 Antibody (Center) - Product Information**

Application	WB,E
Primary Accession	<a href="#">P35292</a>
Other Accession	<a href="#">NP_001153197.2</a>
Reactivity	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	23640
Antigen Region	83-110

**Mouse Rab17 Antibody (Center) - Additional Information**

**Gene ID** 19329

**Other Names**

Ras-related protein Rab-17, Rab17

**Target/Specificity**

This Mouse Rab17 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 83-110 amino acids from the Central region of mouse Rab17.

**Dilution**

WB~~1:1000

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

Mouse Rab17 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

**Mouse Rab17 Antibody (Center) - 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

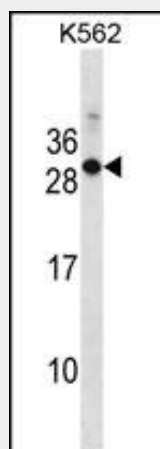
Expressed in kidney, liver, and intestine mainly by epithelial cells. Expressed in hippocampus (at protein level)

#### Mouse Rab17 Antibody (Center) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### Mouse Rab17 Antibody (Center) - Images



Mouse Rab17 Antibody (Center) (Cat. #AP18691c) western blot analysis in K562 cell line lysates (35ug/lane). This demonstrates the Mouse Rab17 antibody detected the Mouse Rab17 protein (arrow).

**Mouse Rab17 Antibody (Center) - Background**

Rab17 might be involved in transcellular transport.

**Mouse Rab17 Antibody (Center) - 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)