

ARHGAP17 Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP10759a**Specification**

ARHGAP17 Antibody (N-term) Blocking peptide - Product InformationPrimary Accession [Q68EM7](#)**ARHGAP17 Antibody (N-term) Blocking peptide - Additional Information****Gene ID** 55114**Other Names**

Rho GTPase-activating protein 17, Rho-type GTPase-activating protein 17, RhoGAP interacting with CIP4 homologs protein 1, RICH-1, ARHGAP17, RICH1

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.

ARHGAP17 Antibody (N-term) Blocking peptide - Protein Information**Name** ARHGAP17**Synonyms** RICH1**Function**

Rho GTPase-activating protein involved in the maintenance of tight junction by regulating the activity of CDC42, thereby playing a central role in apical polarity of epithelial cells. Specifically acts as a GTPase activator for the CDC42 GTPase by converting it to an inactive GDP-bound state. The complex formed with AMOT acts by regulating the uptake of polarity proteins at tight junctions, possibly by deciding whether tight junction transmembrane proteins are recycled back to the plasma membrane or sent elsewhere. Participates in the Ca(2+)-dependent regulation of exocytosis, possibly by catalyzing GTPase activity of Rho family proteins and by inducing the reorganization of the cortical actin filaments. Acts as a GTPase activator in vitro for RAC1.

Cellular LocationMembrane; Peripheral membrane protein. Cytoplasm. Cell junction, tight junction.
Note=Associates with membranes and concentrates at sites of cell-cell contact**Tissue Location**

Ubiquitously expressed. Expressed at higher level in heart and placenta.

ARHGAP17 Antibody (N-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

ARHGAP17 Antibody (N-term) Blocking peptide - Images**ARHGAP17 Antibody (N-term) Blocking peptide - Background**

RICH1 is a GTPase-activating protein (GAP). GAPs stimulate the intrinsic GTP hydrolysis of small G proteins, such as RHOA (MIM165390), RAC1 (MIM 602048), and CDC42 (MIM 116952). [supplied by OMIM].

ARHGAP17 Antibody (N-term) Blocking peptide - References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :Olsen, J.V., et al. Cell 127(3):635-648(2006) Wells, C.D., et al. Cell 125(3):535-548(2006) Richnau, N., et al. J. Biol. Chem. 276(37):35060-35070(2001) Reczek, D., et al. J. Cell Biol. 153(1):191-206(2001)