

Arhgef9 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP2713b**Specification**

Arhgef9 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [O43307](#)**Arhgef9 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 23229**Other Names**

Rho guanine nucleotide exchange factor 9, Collybistin, PEM-2 homolog, Rac/Cdc42 guanine nucleotide exchange factor 9, ARHGEF9, ARHDH9, KIAA0424

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP2713b](/products/AP2713b) was selected from the C-term region of human Arhgef9. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

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.

Arhgef9 Antibody (C-term) Blocking Peptide - Protein Information**Name** ARHGEF9**Synonyms** ARHDH9, KIAA0424**Function**

Acts as a guanine nucleotide exchange factor (GEF) for CDC42. Promotes formation of GPHN clusters (By similarity).

Cellular Location

Cytoplasm. Postsynaptic density {ECO:0000250|UniProtKB:Q3UTH8}

Tissue Location

Detected in brain. Detected at low levels in heart.

Arhgef9 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

Arhgef9 Antibody (C-term) Blocking Peptide - Images

Arhgef9 Antibody (C-term) Blocking Peptide - Background

ARHGEF9 belongs to a family of Rho-like GTPases that act as molecular switches by cycling from the active GTP-bound state to the inactive GDP-bound state. These proteins are key regulators of the actin cytoskeleton and are involved in cell signaling.

Arhgef9 Antibody (C-term) Blocking Peptide - References

Xiang,S., J. Mol. Biol. 359 (1), 35-46 (2006)Harvey,K., J. Neurosci. 24 (25), 5816-5826 (2004)Grosskreutz,Y., Biol. Chem. 382 (10), 1455-1462 (2001)Kins,S., Nat. Neurosci. 3 (1), 22-29 (2000)