

**Arhgef9 Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP2713c****Specification**

---

**Arhgef9 Antibody (Center) Blocking Peptide - Product Information**

Primary Accession [Q9QX73](#)

**Arhgef9 Antibody (Center) Blocking Peptide - Additional Information**

**Gene ID** 66013

**Other Names**

Rho guanine nucleotide exchange factor 9, Collybistin, Rac/Cdc42 guanine nucleotide exchange factor 9, Arhgef9

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP2713c](/products/AP2713c) was selected from the Center 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 (Center) Blocking Peptide - Protein Information**

**Name** Arhgef9

**Function**

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

**Cellular Location**

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

**Tissue Location**

Detected in brain, throughout the gray matter. Detected at low levels in heart and skeletal muscle

## **Arhgef9 Antibody (Center) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

## **Arhgef9 Antibody (Center) Blocking Peptide - Images**

## **Arhgef9 Antibody (Center) 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 (Center) 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)