10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

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 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

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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)