

RAPGEF5 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP17073b

Specification

RAPGEF5 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession [Q92565](#)

RAPGEF5 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 9771

Other Names

Rap guanine nucleotide exchange factor 5, Guanine nucleotide exchange factor for Rap1, M-Ras-regulated Rap GEF, MR-GEF, Related to Epac, Repac, RAPGEF5, GFR, KIAA0277, MRGEF

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.

RAPGEF5 Antibody (C-term) Blocking Peptide - Protein Information

Name RAPGEF5

Synonyms GFR, KIAA0277, MRGEF

Function

Guanine nucleotide exchange factor (GEF) for RAP1A, RAP2A and MRAS/M-Ras-GTP. Its association with MRAS inhibits Rap1 activation.

Cellular Location

Nucleus.

Tissue Location

Widely expressed with highest levels in brain.

RAPGEF5 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

RAPGEF5 Antibody (C-term) Blocking Peptide - Images**RAPGEF5 Antibody (C-term) Blocking Peptide - Background**

Members of the RAS (see HRAS; MIM 190020) subfamily of GTPases function in signal transduction as GTP/GDP-regulated switches that cycle between inactive GDP- and active GTP-bound states. Guanine nucleotide exchange factors (GEFs), such as RAPGEF5, serve as RAS activators by promoting acquisition of GTP to maintain the active GTP-bound state and are the key link between cell surface receptors and RAS activation (Rebhun et al., 2000 [PubMed 10934204]).

RAPGEF5 Antibody (C-term) Blocking Peptide - References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :Okada, Y., et al. Hum. Mol. Genet. 19(11):2303-2312(2010)Hwang, S.J., et al. BMC Med. Genet. 8 SUPPL 1, S10 (2007) :Rebhun, J.F., et al. J. Biol. Chem. 275(45):34901-34908(2000)de Rooij, J., et al. J. Biol. Chem. 275(27):20829-20836(2000)