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# 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 ofGTPases function in signal transduction as GTP/GDP-regulatedswitches that cycle between inactive GDP- and active GTP-boundstates. Guanine nucleotide exchange factors (GEFs), such asRAPGEF5, serve as RAS activators by promoting acquisition of GTP tomaintain the active GTP-bound state and are the key link betweencell 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)