

**RAPGEF4 Antibody (N-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP6998a****Specification**

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**RAPGEF4 Antibody (N-term) Blocking Peptide - Product Information**Primary Accession [Q8WZA2](#)**RAPGEF4 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 11069**Other Names**

Rap guanine nucleotide exchange factor 4, Exchange factor directly activated by cAMP 2, Exchange protein directly activated by cAMP 2, EPAC 2, cAMP-regulated guanine nucleotide exchange factor II, cAMP-GEFII, RAPGEF4, CGEF2, EPAC2

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP6998a](/products/AP6998a) was selected from the N-term region of human RAPGEF4. 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.

**RAPGEF4 Antibody (N-term) Blocking Peptide - Protein Information****Name** RAPGEF4**Synonyms** CGEF2, EPAC2**Function**

Guanine nucleotide exchange factor (GEF) for RAP1A, RAP1B and RAP2A small GTPases that is activated by binding cAMP. Seems not to activate RAB3A. Involved in cAMP-dependent, PKA-independent exocytosis through interaction with RIMS2 (By similarity).

**Cellular Location**

Cytoplasm. Membrane; Peripheral membrane protein

**Tissue Location**

Predominantly expressed in brain and adrenal gland. Isoform 2 is expressed in liver. Isoform 1 is expressed in liver at very low levels

#### **RAPGEF4 Antibody (N-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

#### **RAPGEF4 Antibody (N-term) Blocking Peptide - Images**

#### **RAPGEF4 Antibody (N-term) Blocking Peptide - Background**

Guanine nucleotide exchange factor (GEF) for RAP1A, RAP1B and RAP2A small GTPases that is activated by binding cAMP. It Seems not to activate RAB3A. It is involved in cAMP-dependent, PKA-independent exocytosis through interaction with RIMS2.

#### **RAPGEF4 Antibody (N-term) Blocking Peptide - References**

Coppola,T., et.al., J. Biol. Chem. 276 (35), 32756-32762 (2001)Kashima,Y., et.al., J. Biol. Chem. 276 (49), 46046-46053 (2001)