

RAPGEF3 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP14670a**Specification**

RAPGEF3 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [O95398](#)**RAPGEF3 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 10411**Other Names**

Rap guanine nucleotide exchange factor 3, Exchange factor directly activated by cAMP 1, Exchange protein directly activated by cAMP 1, EPAC 1, Rap1 guanine-nucleotide-exchange factor directly activated by cAMP, cAMP-regulated guanine nucleotide exchange factor I, cAMP-GEFI, RAPGEF3, CGEF1, EPAC, EPAC1

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.

RAPGEF3 Antibody (N-term) Blocking Peptide - Protein Information**Name** RAPGEF3**Synonyms** CGEF1, EPAC, EPAC1**Function**

Guanine nucleotide exchange factor (GEF) for RAP1A and RAP2A small GTPases that is activated by binding cAMP. Through simultaneous binding of PDE3B to RAPGEF3 and PIK3R6 is assembled in a signaling complex in which it activates the PI3K gamma complex and which is involved in angiogenesis. Plays a role in the modulation of the cAMP- induced dynamic control of endothelial barrier function through a pathway that is independent on Rho-mediated signaling. Required for the actin rearrangement at cell-cell junctions, such as stress fibers and junctional actin.

Cellular Location

Endomembrane system

Tissue Location

Widely expressed with highest levels in adult kidney, heart, thyroid and brain, and fetal kidney

RAPGEF3 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

RAPGEF3 Antibody (N-term) Blocking Peptide - Images**RAPGEF3 Antibody (N-term) Blocking Peptide - Background**

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RAPGEF3 Antibody (N-term) Blocking Peptide - References

Gloerich, M., et al. Mol. Cell. Biol. 30(22):5421-5431(2010) Rampersad, S.N., et al. J. Biol. Chem. 285(44):33614-33622(2010) Garay, J., et al. J. Immunol. 185(6):3227-3238(2010) Liu, C., et al. Mol. Cell. Biol. 30(16):3956-3969(2010) Umapathy, N.S., et al. J. Cell. Physiol. 223(1):215-223(2010)