10320 Camino Santa Fe, Suite G
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RAP2A Blocking Peptide (C-Term)

Synthetic peptide
Catalog # BP21722b

Specification

RAP2A Blocking Peptide (C-Term) - Product Information

Primary Accession P10114

RAP2A Blocking Peptide (C-Term) - Additional Information

Gene ID 5911

Other Names
Ras-related protein Rap-2a, RbBP-30, RAP2A

Target/Specificity
The synthetic peptide sequence is selected from aa 144-159 of HUMAN RAP2A

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.

RAP2A Blocking Peptide (C-Term) - Protein Information

Name RAP2A

Function
Small GTP-binding protein which cycles between a GDP-bound inactive and a GTP-bound active form. In its active form interacts with and regulates several effectors including MAP4K4, MINK1 and TNIK. Part of a signaling complex composed of NEDD4, RAP2A and TNIK which regulates neuronal dendrite extension and arborization during development. More generally, it is part of several signaling cascades and may regulate cytoskeletal rearrangements, cell migration, cell adhesion and cell spreading.

Cellular Location
Recycling endosome membrane; Lipid-anchor; Cytoplasmic side. Midbody. Note=May also localize to the Golgi (PubMed:7962206) and the gelatinase-containing granules of neutrophils (PubMed:8391995). Colocalizes with RASGEF1B to midbody at telophase (PubMed:23894443).

RAP2A Blocking Peptide (C-Term) - Protocols

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

- Blocking Peptides

RAP2A Blocking Peptide (C-Term) - Images

RAP2A Blocking Peptide (C-Term) - Background

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RAP2A Blocking Peptide (C-Term) - References

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Fan Z.S.,et al.Submitted (NOV-1999) to the EMBL/GenBank/DDBJ databases.
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Ota T.,et al.Nat. Genet. 36:40-45(2004).
Dunham A.,et al.Nature 428:522-528(2004).