

RAP2A Blocking Peptide (N-Term)

Synthetic peptide

Catalog # BP21767a

Specification

RAP2A Blocking Peptide (N-Term) - Product InformationPrimary Accession [P10114](#)**RAP2A Blocking Peptide (N-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 26-38 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 (N-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 (N-Term) - Protocols

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

- [Blocking Peptides](#)

RAP2A Blocking Peptide (N-Term) - Images

RAP2A Blocking Peptide (N-Term) - Background

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RAP2A Blocking Peptide (N-Term) - References

Pizon V.,et al.Oncogene 3:201-204(1988).
Fan Z.S.,et al.Submitted (NOV-1999) to the EMBL/GenBank/DDBJ databases.
Puhl H.L. III,et al.Submitted (MAR-2002) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Dunham A.,et al.Nature 428:522-528(2004).