

**RAP2A Blocking Peptide (N-Term)**

Synthetic peptide

Catalog # BP21767a

**Specification****RAP2A Blocking Peptide (N-Term) - Product Information**Primary 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 TNK1. Part of a signaling complex composed

**RAP2A Blocking Peptide (N-Term) - Background**

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 TNK1. Part of a signaling complex composed of NEDD4, RAP2A and TNK1 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.

**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).

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](#)