

RAP2B Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP17426c**Specification**

RAP2B Antibody (Center) Blocking Peptide - Product Information

Primary Accession [P61225](#)

RAP2B Antibody (Center) Blocking Peptide - Additional Information

Gene ID 5912

Other Names

Ras-related protein Rap-2b, RAP2B

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.

RAP2B Antibody (Center) Blocking Peptide - Protein Information

Name RAP2B

Function

Small GTP-binding protein which cycles between a GDP-bound inactive and a GTP-bound active form. Involved in EGFR and CHRM3 signaling pathways through stimulation of PLCE1. May play a role in cytoskeletal rearrangements and regulate cell spreading through activation of the effector TNK. May regulate membrane vesiculation in red blood cells.

Cellular Location

Recycling endosome membrane; Lipid-anchor; Cytoplasmic side. Note=Associated with red blood cells- released vesicles

Tissue Location

Expressed in red blood cells (at protein level).

RAP2B Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

RAP2B Antibody (Center) Blocking Peptide - Images

RAP2B Antibody (Center) Blocking Peptide - Background

This intronless gene belongs to a family of RAS-related genes. The proteins encoded by these genes share approximately 50% amino acid identity with the classical RAS proteins and have numerous structural features in common. The most striking difference between the RAP and RAS proteins resides in their 61st amino acid: glutamine in RAS is replaced by threonine in RAP proteins. Evidence suggests that this protein may be polyisoprenylated and palmitoylated.

RAP2B Antibody (Center) Blocking Peptide - References

Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Martins-de-Souza, D., et al. J Psychiatr Res (2010) In press :Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009) Canobbio, I., et al. Cell. Signal. 20(9):1662-1670(2008) Liu, Y., et al. Lung Cancer 56(3):307-317(2007)