

**RAP1B Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP14852b****Specification**

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**RAP1B Antibody (C-term) Blocking Peptide - Product Information**Primary Accession [P61224](#)**RAP1B Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 5908**Other Names**

Ras-related protein Rap-1b, GTP-binding protein smg p21B, RAP1B

**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.

**RAP1B Antibody (C-term) Blocking Peptide - Protein Information****Name** RAP1B**Function**

GTP-binding protein that possesses intrinsic GTPase activity. Contributes to the polarizing activity of KRIT1 and CDH5 in the establishment and maintenance of correct endothelial cell polarity and vascular lumen. Required for the localization of phosphorylated PRKCZ, PARD3 and TIAM1 to the cell junction. Plays a role in the establishment of basal endothelial barrier function.

**Cellular Location**

Cell membrane. Cytoplasm, cytosol. Cell junction. Note=May shuttle between plasma membrane and cytosol (PubMed:3141412). Presence of KRIT1 and CDH5 is required for its localization to the cell junction (PubMed:20332120)

**RAP1B Antibody (C-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**RAP1B Antibody (C-term) Blocking Peptide - Images**

**RAP1B Antibody (C-term) Blocking Peptide - Background**

RAP1B and RAP1A (MIM 179520) belong to a superfamily of RAS (see MIM 190020)-like small GTP-binding proteins involved in cell signaling.

**RAP1B Antibody (C-term) Blocking Peptide - References**

Kamatani, Y., et al. Nat. Genet. 42(3):210-215(2010) Malchinkhuu, E., et al. Mol. Biol. Cell 20(24):5156-5165(2009) Edreira, M.M., et al. J. Biol. Chem. 284(40):27480-27486(2009) Matsuse, M., et al. Endocr. J. 56(1):161-164(2009) Li, Y.H., et al. J. Biol. Chem. 283(48):33784-33792(2008)