

RAP1B Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP14852b**Specification**

RAP1B Antibody (C-term) - Product Information

Application	WB,E
Primary Accession	P61224
Other Accession	A6NIZ1 , Q7ZXH7 , Q62636 , Q99JL6 , Q4R9D4 , Q5ZHX1 , P61223 , NP_056461.1 , NP_001010942.1
Reactivity	Human
Predicted	Bovine, Chicken, Monkey, Mouse, Rat, Xenopus
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	20825
Antigen Region	150-178

RAP1B Antibody (C-term) - Additional Information**Gene ID** 5908**Other Names**

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

Target/Specificity

This RAP1B antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 150-178 amino acids from the C-terminal region of human RAP1B.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

RAP1B Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

RAP1B Antibody (C-term) - 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.

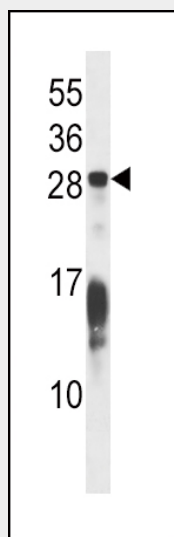
Cellular Location

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) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

RAP1B Antibody (C-term) - Images

RAP1B Antibody (C-term) (Cat. #AP14852b) western blot analysis in HeLa cell line lysates (35ug/lane). This demonstrates the RAP1B antibody detected the RAP1B protein (arrow).

RAP1B Antibody (C-term) - 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) - 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)