

KD-Validated Anti-RAP1B Rabbit Monoclonal Antibody

Rabbit monoclonal Antibody

Catalog # AGI2208

Product Information

Application	WB, FC
Primary Accession	P61224
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	25GB210
Calculated MW	20825
Gene Name	RAP1B
Aliases	RAP1B; RAP1B, Member Of RAS Oncogene Family; K-REV; RAL1B; GTP-Binding Protein Smg P21B; Ras-Related Protein Rap-1b; DKFZp586H0723; Ras Family Small GTP Binding Protein RAP1B; RAS-Related Protein RAP1B; Small GTP Binding Protein; EC 3.6.5.2; THC11
Immunogen	A synthesized peptide derived from human RAP1A/B

Additional Information

Gene ID	5908
Other Names	Ras-related protein Rap-1b, 3.6.5.2, GTP-binding protein smg p21B, RAP1B

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)

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