

Rabbit anti-Human, Mouse RAP1B Polyclonal Antibody | anti-RAP1B antibody

RAP1B Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA323133	Rabbit	Human, Mouse	Immunohistochemistry, Western Blot

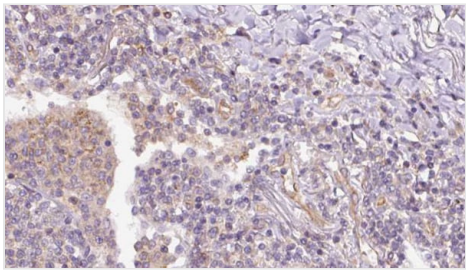
PRODUCT SYNONYMS

RAP1B; Polyclonal Antibody; RAP1B Antibody; 2810443E11Rik; DKFZp586H0723; GTP binding protein smg p21B; K-REV; MGC93206; RAL1B; RAP1B member of RAS oncogene family; Ras family small GTP binding protein RAP1B; RAS related protein 1b; Ras related protein Rap 1b; Ras related protein RAP1B; anti-RAP1B antibody

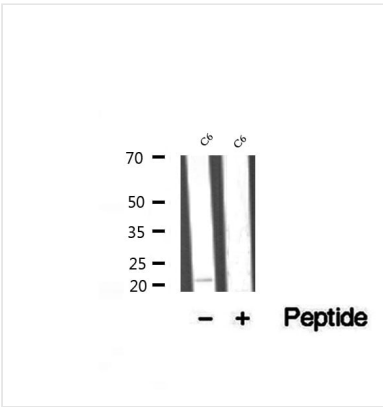
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	RAP1B antibody detects endogenous levels of RAP1B.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	184
Applicable Applications for anti-RAP1B antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human RAP1B.
Subcellular Location	Cell Membrane. Cytoplasm > Cytosol. Cell Junction. May shuttle between plasma membrane and cytosol. Presence of KRIT1 and CDH5 is required for its localization to the cell junction.
Predicted Cross Reactivity	Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (100%), Xenopus (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohiostchemistry)
AAA323133 at 1/100 staining Human lymph cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of extracts of C6 cells, using RAP1B antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-RAP1B antibody	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. Subunit Structure: Heterodimer with RAP1GAP. Interacts with EPAC2, SGSM1, SGSM2 and SGSM3. Interacts with KRIT1. Similarity: Belongs to the small GTPase superfamily. Ras family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	58219792
NCBI GeneID	5908
NCBI Accession #	NP_001010942.1
NCBI GenBank Nucleotide #	NM_001010942.2
UniProt Accession #	P61224; P09526; Q502X3; Q5TZR4; Q6DCA1; Q6LES0; B2R5Z2; B4DQI8; B4DW74; B4DW94
Molecular Weight	Observed: 21 kDa Predicted: 21 kDa
NCBI Official Full Name	ras-related protein Rap-1b isoform 1
NCBI Official Synonym Full Names	RAP1B, member of RAS oncogene family
NCBI Official Symbol	RAP1B
NCBI Official Synonym Symbols	K-REV; RAL1B
NCBI Protein Information	ras-related protein Rap-1b
UniProt Protein Name	Ras-related protein Rap-1b
UniProt Gene Name	RAP1B

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.