

Anti-RAP1A antibody



Description	Unconjugated Rabbit polyclonal to RAP1A
Model	STJ192285
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	ELISA, WB
Gene ID	5906
Gene Symbol	RAP1A
Dilution range	WB 1:500-2000 ELISA 1:5000-20000
Specificity	RAP1A Polyclonal Antibody detects endogenous levels of protein.
Purification	RAP1A antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Ras-related protein Rap-1A C21KG G-22K GTP-binding protein smg p21A Ras-related protein Krev-1
Molecular Weight	20 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid form in PBS containing 50% glycerol, and 0.02% sodium azide.

Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:9855OMIM:179520
Alternative Names	Ras-related protein Rap-1A C21KG G-22K GTP-binding protein smg p21A Ras-related protein Krev-1
Function	Induces morphological reversion of a cell line transformed by a Ras oncogene. Counteracts the mitogenic function of Ras, at least partly because it can interact with Ras GAPs and RAF in a competitive manner. Together with ITGB1BP1, regulates KRIT1 localization to microtubules and membranes. Plays a role in nerve growth factor (NGF)-induced neurite outgrowth. Plays a role in the regulation of embryonic blood vessel formation. Involved in the establishment of basal endothelial barrier function. May be involved in the regulation of the vascular endothelial growth factor receptor KDR expression at endothelial cell-cell junctions.
Cellular Localization	Cell membrane Cytoplasm Cytoplasm, perinuclear region Cell junction Early endosome. Recruited from early endosome to late endosome compartment after nerve growth factor (NGF) stimulation. Localized with RAPGEF2 at cell-cell junctions . Colocalized with RAPGEF2 in the perinuclear region.

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