

## Anti-RAP1A antibody



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

<b>Concentration</b>	1 mg/ml
<b>Storage Instruction</b>	Store at -20°C, and avoid repeat freeze-thaw cycles.
<b>Database Links</b>	<a href="https://www.ebi.ac.uk/ENSP/entry/HGNC:9855OMIM:179520">HGNC:9855OMIM:179520</a>
<b>Alternative Names</b>	Ras-related protein Rap-1A C21KG G-22K GTP-binding protein smg p21A Ras-related protein Krev-1
<b>Function</b>	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.
<b>Cellular Localization</b>	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.

---

**St John's Laboratory Ltd**

**F** +44 (0)207 681 2580  
**T** +44 (0)208 223 3081

**W** <http://www.stjohnslabs.com/>  
**E** [info@stjohnslabs.com](mailto:info@stjohnslabs.com)