

Rap1GAP rabbit pAb**Cat#: orb766202 (Manual)**

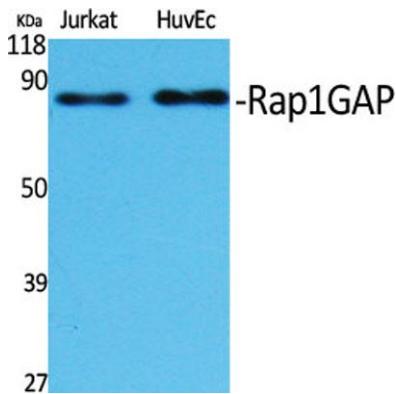
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Product Name	Rap1GAP rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/10000. Not yet tested in other applications.
Immunogen	Synthesized peptide derived from Rap1GAP . at AA range: 460-540
Specificity	Rap1GAP Polyclonal Antibody detects endogenous levels of Rap1GAP protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Rap1 GTPase-activating protein 1
Gene Name	RAP1GAP
Cellular localization	Golgi apparatus membrane; Peripheral membrane protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal

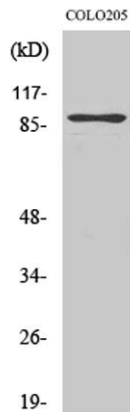
Concentration	1 mg/ml
Observed band	73kD
Human Gene ID	5909
Human Swiss-Prot Number	P47736
Alternative Names	RAP1GAP; KIAA0474; RAP1GA1; Rap1 GTPase-activating protein 1; Rap1GAP; Rap1GAP1

Background

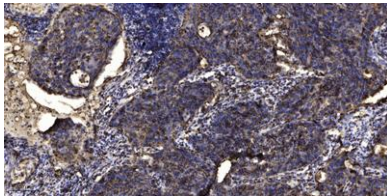
RAP1 GTPase activating protein(RAP1GAP) Homo sapiens This gene encodes a type of GTPase-activating-protein (GAP) that down-regulates the activity of the ras-related RAP1 protein. RAP1 acts as a molecular switch by cycling between an inactive GDP-bound form and an active GTP-bound form. The product of this gene, RAP1GAP, promotes the hydrolysis of bound GTP and hence returns RAP1 to the inactive state whereas other proteins, guanine nucleotide exchange factors (GEFs), act as RAP1 activators by facilitating the conversion of RAP1 from the GDP- to the GTP-bound form. In general, ras subfamily proteins, such as RAP1, play key roles in receptor-linked signaling pathways that control cell growth and differentiation. RAP1 plays a role in diverse processes such as cell proliferation, adhesion, differentiation, and embryogenesis. Alternative splicing results in multiple transcript variants encoding distinct proteins. [provided by RefSeq, Aug 2011],



Western Blot analysis of various cells using Rap1GAP Polyclonal Antibody



Western Blot analysis of COLO205 cells using Rap1GAP Polyclonal Antibody



Immunohistochemical analysis of paraffin-embedded human Squamous cell carcinoma of lung. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).