

RAP1GAP Rabbit Polyclonal Antibody



CAB10539

Product Information

Size:

20uL, 50uL, 100uL, 200uL

Observed MW:

90kDa

Calculated MW:

73kDa/75kDa/76kDa/80kDa

Applications:

WB

Reactivity:

Human

Antibody Information

Recommended dilutions:

WB 1:1000 - 1:2000

Source:

Rabbit

Isotype:

IgG

Purification:

Affinity purification

Protein Background

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.

Immunogen information

Gene ID:

5909

Uniprot

P47736

Synonyms:

RAP1GAP; RAP1GA1; RAP1GAP1; RAP1GAPII; RAPGAP

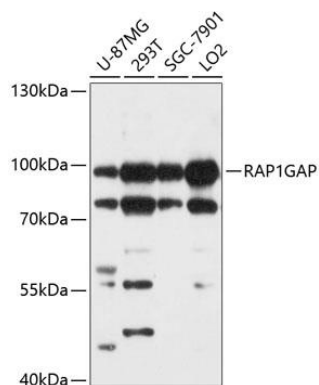
Immunogen:

Recombinant fusion protein containing a sequence corresponding to amino acids 508-727 of human RAP1GAP (NP_001139130.1).

Storage:

Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Product Images



Western blot analysis of extracts of various cell lines, using RAP1GAP antibody (CAB10539) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 5s.