

Datasheet for ABIN5542476
anti-RAP1GAP antibody (AA 412-678)[Go to Product page](#)

4 Images

Overview

Quantity:	0.1 mg
Target:	RAP1GAP
Binding Specificity:	AA 412-678
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This RAP1GAP antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS)

Product Details

Immunogen:	Purified recombinant fragment of human RAP1GAP (AA: 412-678) expressed in E. coli.
Clone:	2G7B6
Isotype:	IgG2b
Purification:	purified

Target Details

Target:	RAP1GAP
Alternative Name:	RAP1GAP (RAP1GAP Products)
Background:	Description: 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

Target Details

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.

Aliases: RAPGAP, RAP1GA1, RAP1GAP1, RAP1GAPII

Molecular Weight: 73.4 kDa

Gene ID: 5909

HGNC: 5909

Application Details

Application Notes: ELISA: 1:10000, WB: 1:500 - 1:2000, FCM: 1:200 - 1:400

Restrictions: For Research Use only

Handling

Format: Liquid

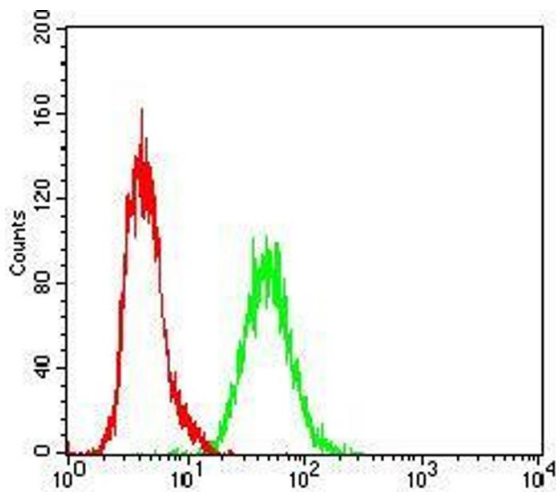
Buffer: Purified antibody in PBS with 0.05 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

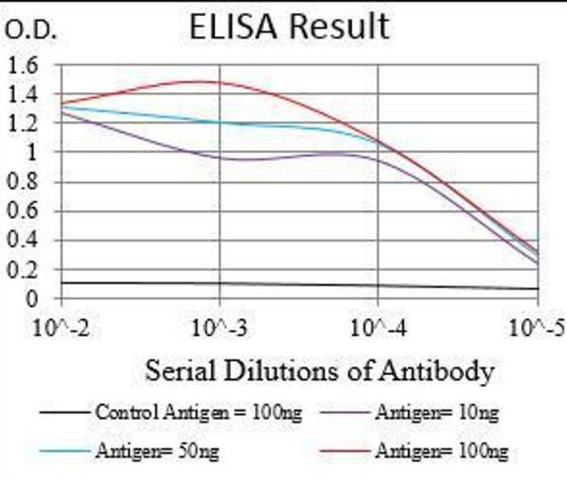
Storage: 4 °C/-20 °C

Storage Comment: 4°C, -20°C for long term storage



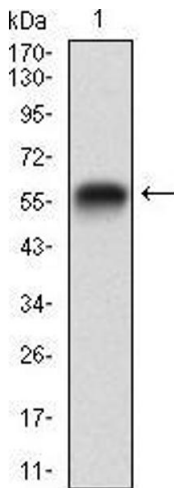
Flow Cytometry

Image 1. Flow cytometric analysis of A431 cells using RAP1GAP mouse mAb (green) and negative control (red).



ELISA

Image 2. Black line: Control Antigen (100 ng), Purple line: Antigen(10 ng), Blue line: Antigen (50 ng), Red line: Antigen (100 ng),



Western Blotting

Image 3. Western blot analysis using RAP1GAP mAb against human RAP1GAP (AA: 412-678) recombinant protein. (Expected MW is 53.9 kDa)

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN5542476.