

## Mouse Monoclonal Antibody to RAP1GAP

<b>Catalogue Number</b>	sAP-1053
<b>Target Molecule</b>	<p><b>Name:</b> RAP1GAP</p> <p><b>Aliases:</b> RAPGAP; RAP1GA1; RAP1GAP1; RAP1GAPII</p> <p><b>MW:</b> 73.4kDa</p> <p><b>Entrez Gene ID:</b> 5909</p>
<b>Description</b>	<p>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</p>
<b>Immunogen</b>	Purified recombinant fragment of human RAP1GAP (AA: 412-678) expressed in E. Coli.
<b>Recombinant Species</b>	Human;
<b>Clone</b>	MM2G7B6;
<b>Size and Concentration</b>	100µg/1mg/ml
<b>Supplied as</b>	Lyophilized Powder from 100µl of Purified antibody in PBS with 0.05% sodium azide.
<b>Reconstitution/Storages</b>	Reconstituted with 100µl sterile DI H <sub>2</sub> O, at stored at 4°C or -20°C for short or long term storage
<b>Applications</b>	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; FCM: 1 to 200 - 1 to 400
<b>Shipping</b>	Regular FEDEX overnight shipment (ambient temperature)
<b>Reference</b>	1. Endocr Relat Cancer. 2012 Jul 22;19(4):575-88.; 2. Cancer Lett. 2012 Jul 1;320(1):65-71.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**