

## Mouse Monoclonal Antibody to RAP1A

<b>Catalogue Number</b>	sAP-0705
<b>Target Molecule</b>	<p><b>Name: RAP1A</b></p> <p><b>Aliases:</b> RAP1; KREV1; KREV-1; SMGP21</p> <p><b>MW: 43.2kDa</b></p> <p><b>Entrez Gene ID: 5906</b></p>
<b>Description</b>	<p>The product of this gene belongs to the family of RAS-related proteins. These proteins share approximately 50% amino acid identity with the classical RAS proteins and have numerous structural features in common. The most striking difference between RAP proteins and RAS proteins resides in their 61st amino acid: glutamine in RAS is replaced by threonine in RAP proteins. The product of this gene counteracts the mitogenic function of RAS because it can interact with RAS GAPs and RAF in a competitive manner. Two transcript variants encoding the same protein have been identified for this gene.</p>
<b>Immunogen</b>	Purified recombinant fragment of human RAP1A expressed in E. Coli. ;
<b>Reactive Species</b>	Human
<b>Clone</b>	MM5F8G2;
<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>	Mol Biol Cell. 2009 Apr;20(7):1916-25. ; J Cell Sci. 2009 Aug 15;122(Pt 16):2996-3004. ;

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**