

**RASGRP1 Rabbit mAb**  
Catalog # AP76314**Specification****RASGRP1 Rabbit mAb - Product Information**

Application	<b>WB</b>
Primary Accession	<a href="#">O95267</a>
Reactivity	<b>Human</b>
Host	<b>Rabbit</b>
Clonality	<b>Monoclonal Antibody</b>
Calculated MW	<b>90402</b>

**RASGRP1 Rabbit mAb - Additional Information**

Gene ID 10125

**Other Names**  
RASGRP1**Dilution**  
WB~~1/500-1/1000**Format**  
Liquid**RASGRP1 Rabbit mAb - Protein Information****Name** RASGRP1**Synonyms** RASGRP**Function**

Functions as a calcium- and diacylglycerol (DAG)-regulated nucleotide exchange factor specifically activating Ras through the exchange of bound GDP for GTP (PubMed: [15899849](http://www.uniprot.org/citations/15899849), PubMed: [23908768](http://www.uniprot.org/citations/23908768), PubMed: [27776107](http://www.uniprot.org/citations/27776107), PubMed: [29155103](http://www.uniprot.org/citations/29155103)). Activates the Erk/MAP kinase cascade (PubMed: [15899849](http://www.uniprot.org/citations/15899849)). Regulates T-cell/B-cell development, homeostasis and differentiation by coupling T-lymphocyte/B-lymphocyte antigen receptors to Ras (PubMed: [10807788](http://www.uniprot.org/citations/10807788), PubMed: [12839994](http://www.uniprot.org/citations/12839994), PubMed: [27776107](http://www.uniprot.org/citations/27776107), PubMed: [29155103](http://www.uniprot.org/citations/29155103)). Regulates NK cell cytotoxicity and ITAM-dependent cytokine production by activation of Ras-mediated ERK and JNK pathways (PubMed: [19933860](http://www.uniprot.org/citations/19933860)). Functions in mast cell degranulation and cytokine secretion,

regulating FcERI-evoked allergic responses. May also function in differentiation of other cell types (PubMed:<a href="http://www.uniprot.org/citations/12845332" target="\_blank">12845332</a>).

#### Cellular Location

Cytoplasm, cytosol. Cell membrane; Peripheral membrane protein. Golgi apparatus membrane; Peripheral membrane protein. Endoplasmic reticulum membrane; Peripheral membrane protein  
Note=Found both in the cytosol and associated with membranes Relocalization to the cell membrane upon activation is F-actin- dependent. Translocates to the Golgi in response to phorbol ester or nerve growth factor. Localizes to somata and dendrites but not to axons of hippocampal pyramidal cells (By similarity).

#### Tissue Location

Expressed in brain with higher expression in cerebellum, cerebral cortex and amygdala. Expressed in the hematopoietic system. Expressed in T-cells (at protein level) Expressed in NK cells (at protein level) (PubMed:19933860)

### RASGRP1 Rabbit mAb - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### RASGRP1 Rabbit mAb - Images

