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RASGRP2 Antibody (monoclonal) (M09)

Mouse monoclonal antibody raised against a partial recombinant RASGRP2.
Catalog # AT3579a

Product Information

Application	WB, E
Primary Accession	Q7LDG7
Other Accession	NM_005825
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	3D8
Calculated MW	69248

Additional Information

Gene ID	10235
Other Names	RAS guanyl-releasing protein 2, Calcium and DAG-regulated guanine nucleotide exchange factor I, CalDAG-GEFI, Cdc25-like protein, hCDC25L, F25B33 kinase-like protein, RASGRP2, CDC25L, MCG7
Target/Specificity	RASGRP2 (NP_005816, 65 a.a. ~ 164 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	RASGRP2 Antibody (monoclonal) (M09) is for research use only and not for use in diagnostic or therapeutic procedures.

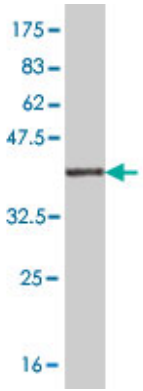
Background

The protein encoded by this gene is a brain-enriched nucleotide exchanged factor that contains an N-terminal GEF domain, 2 tandem repeats of EF-hand calcium-binding motifs, and a C-terminal diacylglycerol/phorbol ester-binding domain. This protein can activate small GTPases, including RAS and RAP1/RAS3. The nucleotide exchange activity of this protein can be stimulated by calcium and diacylglycerol. Three alternatively spliced transcript variants encoding the same protein have been found for this gene. [provided by RefSeq]

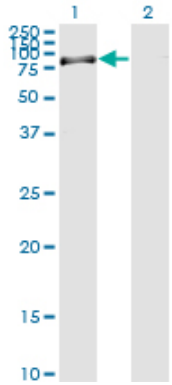
References

1.Calcium-Diacylglycerol Guanine Nucleotide Exchange Factor I (CalDAG-GEFI) gene mutations associated with loss of function in canine platelets.Boudreaux MK, Catalfamo JL, Klok M.Transl Res. 2007 Aug;150(2):81-92. Epub 2007 May 25.

Images

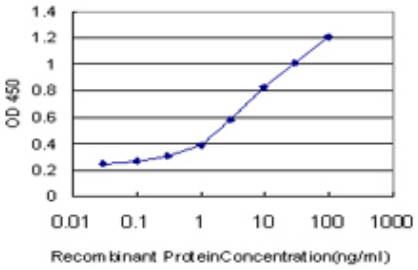


Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.74 KDa) .



Western Blot analysis of RASGRP2 expression in transfected 293T cell line by RASGRP2 monoclonal antibody (M09), clone 3D8.

Lane 1: RASGRP2 transfected lysate(75.5 KDa).
Lane 2: Non-transfected lysate.



Detection limit for recombinant GST tagged RASGRP2 is approximately 0.3ng/ml as a capture antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.