10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

RAPGEF1 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant RAPGEF1.
Catalog # AT3565a

Product Information

Application	WB, E
Primary Accession	Q13905
Other Accession	BC041710
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	3D10
Calculated MW	120548

Additional Information

Gene ID	2889
Other Names	Rap guanine nucleotide exchange factor 1, CRK SH3-binding GNRP, Guanine nucleotide-releasing factor 2, Protein C3G, RAPGEF1, GRF2
Target/Specificity	RAPGEF1 (AAH41710, 1 a.a. ~ 110 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	RAPGEF1 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

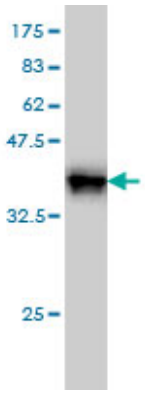
This gene encodes a human guanine nucleotide exchange factor. It transduces signals from CRK by binding the SH3 domain of CRK, and activating several members of the Ras family of GTPases. This signaling cascade that may be involved in apoptosis, integrin-mediated signal transduction, and cell transformation. Several alternatively spliced transcript variants of this gene have been described, but the full-length nature of some variants has not been determined.

References

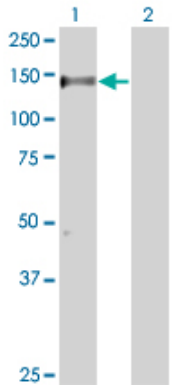
1.The WAVE2 complex regulates T cell receptor signaling to integrins via Abl- and CrkL-C3G-mediated

activation of Rap1.Nolz JC, Nacusi LP, Segovis CM, Medeiros RB, Mitchell JS, Shimizu Y, Billadeau DD.J Cell Biol. 2008 Sep 22;182(6):1231-44.

Images

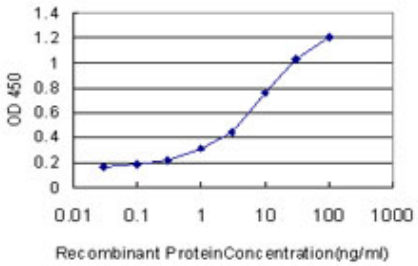


Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (37.73 KDa) .



Western Blot analysis of RAPGEF1 expression in transfected 293T cell line by RAPGEF1 monoclonal antibody (M01), clone 3D10.

Lane 1: RAPGEF1 transfected lysate(122.7 KDa).
Lane 2: Non-transfected lysate.



Detection limit for recombinant GST tagged RAPGEF1 is approximately 0.1ng/ml as a capture antibody.

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