

Datasheet

RASGRP4 monoclonal antibody (M01), clone 1F3

Catalog Number: H00115727-M01

Regulatory Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against a partial recombinant RASGRP4.

Clone Name: 1F3

Immunogen: RASGRP4 (NP_733748, 574 a.a. ~ 673 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence:

CGLCCHKHCRDQVKVECKRPGAKGDAGPPGAPVPS
TPAPHASCGSEENHSYTLSLEPETGCQLRHAWTQTES
PHPSWETDTPVCPVMDPPSTASSKLDS

Host: Mouse

Reactivity: Human

Applications: ELISA, IHC-P, S-ELISA, WB-Re
(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Isotype: IgG2a Kappa

Storage Buffer: In 1x PBS, pH 7.4

Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 115727

Gene Symbol: RASGRP4

Gene Alias: -

Gene Summary: The protein encoded by this gene is a member of the Ras guanyl nucleotide-releasing protein (RasGRP) family of Ras guanine nucleotide exchange factors. It contains a Ras exchange motif, a

diacylglycerol-binding domain, and two calcium-binding EF hands. This protein was shown to activate H-Ras in a cation-dependent manner in vitro. Expression of this protein in myeloid cell lines was found to be correlated with elevated level of activated RAS protein, and the RAS activation can be greatly enhanced by phorbol ester treatment, which suggested a role of this protein in diacylglycerol regulated cell signaling pathways. Studies of a mast cell leukemia cell line expressing substantial amounts of abnormal transcripts of this gene indicated that this gene may play an important role in the final stages of mast cell development. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

References:

1. Galectin-3 regulates RasGRP4-mediated activation of N-Ras and H-Ras. Shalom-Feuerstein R, Makovski V, Levy R, Raz A, Kloog Y. *Biochim Biophys Acta*. 2008 Jun;1783(6):985-93. Epub 2008 Mar 25.