

RASGRP4 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant RASGRP4.

Catalog # AT3580a

Product Information

Application	WB, IHC, E
Primary Accession	Q8TDF6
Other Accession	NM_170603
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	1F3
Calculated MW	74882

Additional Information

Gene ID	115727
Other Names	RAS guanyl-releasing protein 4, RASGRP4
Target/Specificity	RASGRP4 (NP_733748, 574 a.a. ~ 673 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IHC~~1:100~500 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	RASGRP4 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

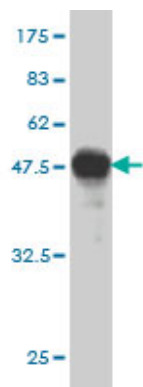
Background

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. [provided by RefSeq]

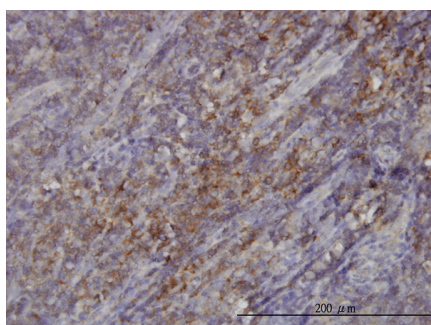
References

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.

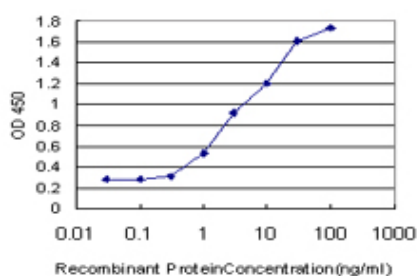
Images



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



Immunoperoxidase of monoclonal antibody to RASGRP4 on formalin-fixed paraffin-embedded human tonsil. [antibody concentration 3 ug/ml]



Detection limit for recombinant GST tagged RASGRP4 is approximately 0.3 ng/ml as a capture antibody.

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