

MaxPab®

RASGRP1 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00010125-B01P

Size 500 ug

Specification

Product Description	Mouse polyclonal antibody raised against a full-length human RASGRP1 protein.
Immunogen	RASGRP1 (ACE87777.1, 1 a.a. ~ 797 a.a) full-length human protein.
Sequence	MGTLGKAREAPRKPSHGCRAASKARLEAKPANSFPSPSHPSLAHITQFRMMVSLGHLAKGASLD DLIDSCIQSFADAGNLCRSNQLLQVMLTMHRVISAELLQKVITLYKDALAKNSPGLCLKICYFVRY WITEFWVMFKMDASLTDTMEEFQELVKAKGEELHCRLIDTTQINARDWSRKL TQRIKSNTSKKRK VSLLFDHLEPEELSEHLYLEFKSFRRISFSDYQNYLVNSCVKENPTMERSIALCNGISQWVQLMV LSRPTQLRAEVFIKFIQVAQKLHQLQNFNTLMAVIGGLCHSSISRLKETSSHVPHEINKVLGEMTEL LSSSRNYDNYRRAYGECTDFKIPILGVHLKDLISLYEAMPDYLEDGKVN VHKLLALYNHISELVQLQE VAPPLEANKDLVHLLTSLDLYYTEDEIYELSYAREPRNHRAPPLTPSKPPVVVDWASGVSPKPD PKTISKHVQRMVDSVFKNYDHDQDGYISQEEFEKIAASFPSFCVMDKDREGLISRDEITAYFMRA SSIYSKLGLGPHNFQETTYLKPTFCDCNAGFLWGVIKQGYRCKDCGMNCHKQCKDLVVFCECKK RAKNPVAPTENNTSVGPVSNLCSLGAKDLLHAPEEGPFTFPNGEAVEHGEEKDRTIMLMGVSS QKISRLRKRAVAHKATQTESQPWIGSEGPSGPFVLSSPRKTAQDTLYVLPSTSPCSPVLVRKR AFVKWENKDSLKSKEELRHLRLPTYQELEQEINTLKADNDALKIQLKYAQKKIESLQLEKSNHVL QMEQGDCS
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (90); Rat (90)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

Gene Info — RASGRP1

Entrez GeneID [10125](#)

GeneBank Accession# [EU832766.1](#)

Protein Accession# [ACE87777.1](#)

Gene Name RASGRP1

Gene Alias CALDAG-GEFI, CALDAG-GEFII, MGC129998, MGC129999, RASGRP, V, hRasGRP1

Gene Description RAS guanyl releasing protein 1 (calcium and DAG-regulated)

Omim ID [603962](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene is a member of a family of genes characterized by the presence of a Ras superfamily guanine nucleotide exchange factor (GEF) domain. It functions as a diacylglycerol (DAG)-regulated nucleotide exchange factor specifically activating Ras through the exchange of bound GDP for GTP. It activates the Erk/MAP kinase cascade and regulates T-cells and B-cells development, homeostasis and differentiation. Alternatively spliced transcript variants encoding different isoforms have been identified. Altered expression of the different isoforms of this protein may be a cause of susceptibility to systemic lupus erythematosus (SLE). [provided by RefSeq]

Other Designations RAS guanyl nucleotide-releasing protein 1|RAS guanyl releasing protein 1|calcium and DAG-regulated guanine nucleotide exchange factor III|guanine nucleotide exchange factor, calcium- and DAG-regulated, Rap1A|ras activator RasGRP

Pathway

- [MAPK signaling pathway](#)
- [T cell receptor signaling pathway](#)

Disease

- [Attention Deficit Disorder with Hyperactivity](#)
- [Autistic Disorder](#)

- [Diabetes Mellitus](#)
- [Drug-Induced Liver Injury](#)
- [Genetic Predisposition to Disease](#)
- [NARP](#)