

DNAxPAb

Hard-to-Find
Antibody

RASGRP1 DNAxPab

Catalog # H00010125-W01P

Size 200 ug

Specification

Product Description Rabbit polyclonal antibody raised against a full-length human RASGRP1 DNA using DNAx™ Immune technology.

Technology [DNAx™ Immune](#)

Immunogen Full-length human DNA

Sequence MGTLGKAREAPRKPSHGCRAASKARLEAKPANSFPSPHPSLAHITQFRMMVSLGHLAKGASLD
DLIDSCIQSFDADGNLCRSNQLLQVMLTMHRVISSAELLQKVITLYKDALAKNSPGLCLKICYFVRY
WITEFWVMFKMDASLTDMEEFQELVKAKGEELHCRLIDTTQINARDWSRKLTRIKSNTSKKRK
VSLLFDHLEPEELSEHLYLEFKSFRRISFSDYQNYLVNSCVKENPTMERSIALCNGISQWVQLMV
LSRPTQLRAEVFIKFIQVAQKLHQLQNFNTLMAVIGGLCHSSISRLKETSSHPHEINKVLGEMTEL
LSSSRNYDNYRRAYGECTDFKIPILGVHLKDLISLYEAMPDYLEDGKVNvhKLLALYNHISELVQLQE
VAPPLEANKDLVHLLTSLDLYTEDEIYELSYAREPRNHRAPPLTPSKPPVVVDWASGVSPKPD
PKTISKHVQRMVDSVFNKYDHDQDGYISQEEFEKIAASFPSFCVMDKDREGLISRDEITAYFMRA
SSIYSLGLGFPHNFQETTYLKPTFCDCNAGFLWGVKQGYRCKDCGMNCHKQCKDLVVFECKK
RAKNPVAPTENNTSVGPVSNLCSLGAkdLLHAPEEGPFTFPNGEAVEHGEESKDRtimLMGVSS
QKISLRLKRAVAHKATQTESQPWIGSEGPSGPFVLSSPRKTAQDTLYVLPSTSPCSPVLVRKR
AFVKWENKDSLKSKEELRHLRLPTYQELEQEINTLKADNDALKIQLKYAQKKIESLQLEKSNHVL
A QMEQGDCS

Host Rabbit

Reactivity Human

Purification Protein A

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](#)

- Immunofluorescence (Transfected cell)

- Flow Cytometry (Transfected cell)

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 II|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](#)