RASGRP2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	RASGRP2, Polyclonal Antibody
Full Product Name	RASGRP2 (N-Term) Rabbit pAb
Product Gene Name	anti-RASGRP2 antibody
Product Synonym Names	RAS guanyl-releasing protein 2; Calcium and DAG-regulated guanine nucleotide exchange factor I; CalDAG-GEFI; Cdc25-like protein; hCDC25L; F25B33 kinase-like protein; RASGRP2; CDC25L; MCG7
Clonality	Polyclonal
Isotype	Ig
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied in PBS with 0.09% (W/V) Sodium Azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Purity/Purification	Affinity Purified
OMIM	605577
3D Structure	ModBase 3D Structure for Q7LDG7
Immunogen	This RASGRP2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 7-34 amino acids from the N-terminal region of human RASGRP2.
Cellular Localization	Cell Junction, Cell Membrane, Cell Projection, Cytoplasm, Membrane, Synapse, Synaptosome
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-RASGRP2 antibody	Western Blot (WB), Immunocytochemistry (ICC), Immunohistochemistry (IHC)
Application Notes for anti-RASGRP2 antibody	WB: 1:1000 ICC: 1:10-50 IHC: 1:10-50
Related Product Information for anti-RASGRP2 antibody	MBS8556718 is an antibody targeting RASGRP2. Also known as RASGRP2 (N-Term) Rabbit pAb. Reactive in Human. Host: Rabbit.
Other Notes	Small volumes of anti-RASGRP2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for RASGRP2. It may not necessarily be applicable to this product.

NCBI GI #	149158727
NCBI GeneID	10235
NCBI Accession #	NP_001092140
UniProt Primary Accession #	Q7LDG7
UniProt Related Accession #	Q7LDG7

GenBank Nucleotide #	NP_001092140.1
NCBI Official Full Name	RAS guanyl-releasing protein 2 isoform a
NCBI Official Synonym Full Names	RAS guanyl releasing protein 2
NCBI Official Symbol	RASGRP2
NCBI Official Synonym Symbols	CDC25L; CALDAG-GEFI
UniProt Protein Name	RAS guanyl-releasing protein 2
UniProt Synonym Protein Names	Calcium and DAG-regulated guanine nucleotide exchange factor I; CalDAG-GEFI; Cdc25-like protein; hCDC25L; F25B3.3 kinase-like protein
Protein Family	RAS guanyl-releasing protein
UniProt Gene Name	RASGRP2
UniProt Synonym Gene Names	CDC25L; MCG7; CalDAG-GEFI; hCDC25L
UniProt Entry Name	GRP2_HUMAN
NCBI Protein Information	RAS guanyl-releasing protein 2
NCBI Summary for RASGRP2	The protein encoded by this gene is a brain-enriched nucleotide exchanged factor that contains an N-terminal GEF domain, 2 tandem repeats of EF-hand calcium-binding motifs, and a C-terminal diacylglycerol/phorbol ester-binding domain. This protein can activate small GTPases, including RAS and RAP1/RAS3. The nucleotide exchange activity of this protein can be stimulated by calcium and diacylglycerol. Four alternatively spliced transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq, Jan 2016]
Research Articles on RASGRP2	**1.** RASGRP2 was identified to be involved in the pathogenesis of rheumatoid arthritis by promoting adhesion, migration and IL-6 production from fibroblast-like synoviocytes
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