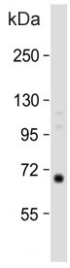
CalDAG-GEFI Antibody / RASGRP2 (F54641)

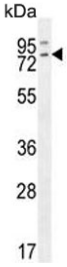
Catalog No.	Formulation	Size
F54641-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54641-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

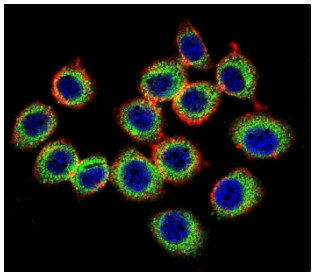
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity purified
UniProt	Q7LDG7
Localization	Cytoplasmic
Applications	Immunofluorescence : 1:25 Immunohistochemistry (FFPE) : 1:25 Western Blot : 1:500-1:2000
Limitations	This CalDAG-GEFI antibody is available for research use only.



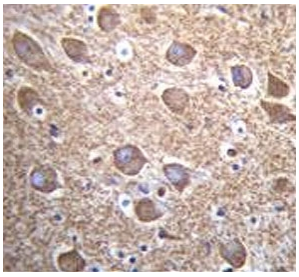
Western blot testing of human spleen tissue lysate with CalDAG-GEFI antibody. Predicted molecular weight ~69 kDa.



Western blot testing of human K562 cell lysate with CalDAG-GEFI antibody. Predicted molecular weight ~69 kDa.



Immunofluorescent staining of U-251 MG cells with CalDAG-GEFI antibody (green), DAPI nuclear stain (blue) and anti-Actin (red).



IHC testing of FFPE human brain tissue with CalDAG-GEFI antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.

Description

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. Three alternatively spliced transcript variants encoding the same protein have been found for this gene.

Application Notes

The stated application concentrations are suggested starting points. Titration of the CalDAG-GEFI antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 7-34 from the human protein was used as the immunogen for the CalDAG-GEFI antibody.

Storage

Aliquot the CalDAG-GEFI antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.