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RAPGEF5 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17073b

Specification

RAPGEF5 Antibody (C-term) - Product Information

Application	**WB,E**
Primary Accession	Q92565
Other Accession	NP_036426.3
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**67733**
Antigen Region	**529-555**

RAPGEF5 Antibody (C-term) - Additional Information

Gene ID 9771

Other Names
Rap guanine nucleotide exchange factor 5, Guanine nucleotide exchange factor for Rap1, M-Ras-regulated Rap GEF, MR-GEF, Related to Epac, Repac, RAPGEF5, GFR, KIAA0277, MRGEF

Target/Specificity
This RAPGEF5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 529-555 amino acids from the C-terminal region of human RAPGEF5.

Dilution
WB~~1:1000

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
RAPGEF5 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

RAPGEF5 Antibody (C-term) - Protein Information

Name RAPGEF5

Synonyms GFR, KIAA0277, MRGEF

Function Guanine nucleotide exchange factor (GEF) for RAP1A, RAP2A and MRAS/M-Ras-GTP. Its association with MRAS inhibits Rap1 activation.

Cellular Location
Nucleus.

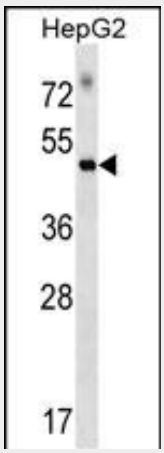
Tissue Location
Widely expressed with highest levels in brain.

RAPGEF5 Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

RAPGEF5 Antibody (C-term) - Images



RAPGEF5 Antibody (C-term) (Cat. #AP17073b) western blot analysis in HepG2 cell line lysates (35ug/lane).This demonstrates the RAPGEF5 antibody detected the RAPGEF5 protein (arrow).

RAPGEF5 Antibody (C-term) - Background

Members of the RAS (see HRAS; MIM 190020) subfamily of GTPases function in signal transduction as GTP/GDP-regulated switches that cycle between inactive GDP- and active GTP-bound states. Guanine nucleotide exchange factors (GEFs), such as RAPGEF5, serve as RAS activators by promoting acquisition of GTP to maintain the active GTP-bound state and are the key link between cell surface receptors and RAS activation (Rebhun et al., 2000 [PubMed 10934204]).

RAPGEF5 Antibody (C-term) - References

Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :
Okada, Y., et al. Hum. Mol. Genet. 19(11):2303-2312(2010)
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Rebhun, J.F., et al. J. Biol. Chem. 275(45):34901-34908(2000)
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