

RAPGEF5 (9A5) Rabbit Monoclonal Antibody

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Catalog # AP93759

Product Information

Application	WB, IHC, IF, FC, ICC
Primary Accession	Q92565 , Q8C0Q9 , P83900
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Calculated MW	67733

Additional Information

Gene ID	9771
Dilution	WB~~1:1000 IHC~~1:100~500 IF~~1:50~200 FC~~1:10~50 ICC~~N/A
Storage Conditions	-20°C

Protein Information

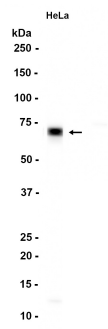
Name	RAPGEF5
Synonyms	GFR, KIAA0277, MRGEF
Function	Guanine nucleotide exchange factor (GEF) for RAP1A, RAP2A and MRAS/M-Ras-GTP. Its association with MRAS inhibits Rap1 activation.
Cellular Location	Nucleus.
Tissue Location	Widely expressed with highest levels in brain.

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]).[supplied by OMIM, Mar 2008]

Images

Western blot analysis of extracts from HeLa cells using AP93759 at 1:1000.



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