



Rabbit Anti-RAPGEF5/Repac antibody

SL11582R

Product Name:	RAPGEF5/Repac
Chinese Name:	Rap鸟嘌呤核苷酸交换因子(GEF)5抗体
Alias:	GFR; Guanine nucleotide exchange factor for Rap1; KIAA0277; M Ras regulated Rap GEF; M-Ras-regulated Rap GEF; MR GEF; MR-GEF; MRGEF; Rap guanine nucleotide exchange factor 5; Rapgef5; Related to Epac; Repac; RPF5_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	68kDa
Cellular localization:	The nucleus
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human RAPGEF5:151-250/580
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	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]

Function:

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

Subcellular Location:

Nucleus.

Tissue Specificity:

Widely expressed with highest levels in brain.

Similarity:

Contains 1 N-terminal Ras-GEF domain.

Contains 1 Ras-GEF domain.

SWISS:

Q92565

Gene ID:

9771

Database links:

[Entrez Gene: 9771](#) Human

[Entrez Gene: 217944](#) Mouse

[Entrez Gene: 362799](#) Rat

[Omim: 609527](#) Human

[SwissProt: Q92565](#) Human

[SwissProt: Q8C0Q9](#) Mouse

[SwissProt: P83900](#) Rat

[Unigene: 174768](#) Human

[Unigene: 713217](#) Human

[Unigene: 227642](#) Mouse

[Unigene: 22381](#) Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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