



Repac Polyclonal Antibody

Catalog No	YP-Ab-16234
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;IHC
Gene Name	RAPGEF5
Immunogen	The antiserum was produced against synthesized peptide derived from human RAPGEF5. AA range:431-480
Specificity	Repac Polyclonal Antibody detects endogenous levels of Repac protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000;IHC-p 1:50-300
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	GFR;Guanine nucleotide exchange factor for Rap1;KIAA277;M Ras regulated Rap GEF;M-Ras-regulated GEF;M-Ras-regulated Rap GEF;MR GEF;MR-GEF;MRas-regulated guanine nucleotide exchange factor;MRGEF;Rap guanine nucleotide exchange factor (GEF) 5;Rap guanine nucleotide exchange factor 5; Rapgef5;Related to Epac;Repac;RPGF5_HUMAN;KIAA0277
Observed Band	60kD
Calculated Molecular Weight	60kD
Cell Pathway	Nucleus.
Tissue Specificity	Widely expressed with highest levels in brain.
Function	function:Guanine nucleotide exchange factor (GEF) for RAP1A, RAP2A and MRAS/M-Ras-GTP. Its association with MRAS inhibits Rap1 activation., similarity:Contains 1 N-terminal Ras-GEF domain.,similarity:Contains 1 Ras-GEF domain.,tissue specificity: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],

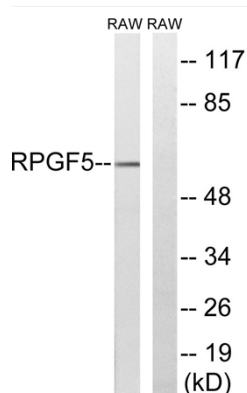
matters needing attention

Avoid repeated freezing and thawing!

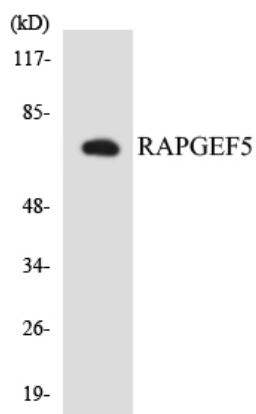
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

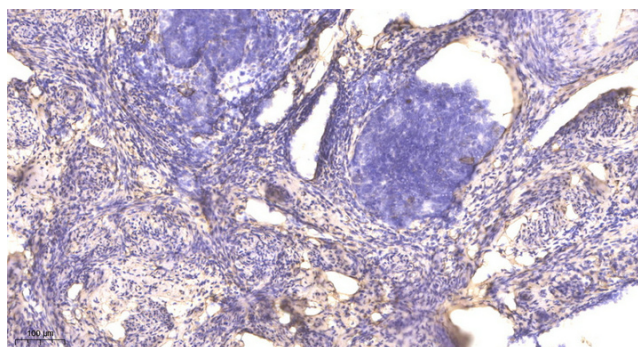
Products Images



Western blot analysis of lysates from RAW264.7 cells, using RAPGEF5 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from COLO205 cells using RAPGEF5 antibody.



Immunohistochemical analysis of paraffin-embedded human cervical carcinoma. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).