



Repac Monoclonal Antibody

Catalog No	YP-mAb-16234
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	RAPGEF5
Immunogen	The antiserum was produced against synthesized peptide derived from human RAPGEF5. AA range:431-480
Specificity	Repac Monoclonal Antibody detects endogenous levels of Repac protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
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

