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RAP1GAP2 Rabbit pAb

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Catalog # AP57905

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q684P5
Reactivity	Rat, Mouse
Predicted	Human, Rabbit
Host	Rabbit
Clonality	Polyclonal
Calculated MW	80056
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human RAP1GAP2
Epitope Specificity	651-730/730
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	Preservative: 0.02% Proclin300, Constituents: 1% BSA, 0.01M PBS, pH7.4.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	This gene encodes a GTPase-activating protein that activates the small guanine-nucleotide-binding protein Rap1 in platelets. The protein interacts with synaptotagmin-like protein 1 and Rab27 and regulates secretion of dense granules from platelets at sites of endothelial damage. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Sep 2009]

Additional Information

Gene ID	23108
Other Names	Rap1 GTPase-activating protein 2, Rap1GAP2, GTPase-activating Rap/Ran-GAP domain-like protein 4, RAP1GAP2, GARNL4, KIAA1039, RAP1GA2
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

Protein Information

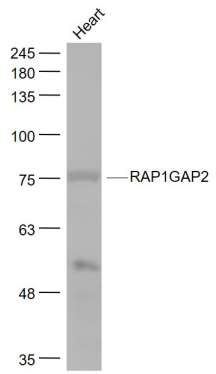
Name	RAP1GAP2

Synonyms	GARNL4, KIAA1039, RAP1GA2
Function	GTPase activator for the nuclear Ras-related regulatory protein RAP-1A (KREV-1), converting it to the putatively inactive GDP- bound state.
Cellular Location	Cytoplasm. Cytoplasm, perinuclear region
Tissue Location	Isoform 1 and isoform 2 are expressed in platelets with isoform 2 being the predominant form. Expressed in lymphocytes, heart, testis and pancreas.

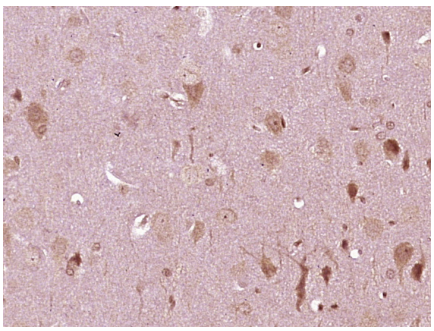
Background

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Images



Sample:
Heart (Mouse) Lysate at 40 ug
Primary: Anti- RAP1GAP2 (AP57905) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 80 kD
Observed band size: 76 kD



Paraformaldehyde-fixed, paraffin embedded (rat brain tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (RAP1GAP2) Polyclonal Antibody, Unconjugated (AP57905) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.