

RGS5 Rabbit pAb

RGS5 Rabbit pAb
Catalog # AP58058

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	O08850
Reactivity	Mouse
Predicted	Rat, Pig, Dog, Human, Rabbit
Host	Rabbit
Clonality	Polyclonal
Calculated MW	21086
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from mouse RGS5
Epitope Specificity	81-181/181
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Isoform 1: Cytoplasm , Membrane. Isoform 2: Cytoplasm.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Regulator of G protein signaling (RGS) proteins are regulatory and structural components of G protein-coupled receptor complexes. RGS proteins are GTPase-activating proteins for Gi and Gq class G-alpha proteins. They accelerate transit through the cycle of GTP binding and hydrolysis and thereby accelerate signaling kinetics and termination. RGS5 seems to be an important signalling regulator in the vascular system. Present data suggest that RGS5 may be involved in the regulation of capillary growth, angiogenesis, and in the pathophysiology of stroke.

Additional Information

Gene ID	19737
Other Names	Regulator of G-protein signaling 5, RGS5, Rgs5
Dilution	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.

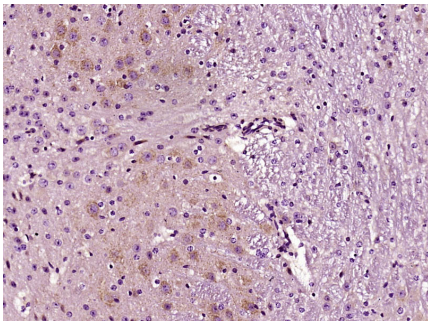
Protein Information

Name	Rgs5
Function	Inhibits signal transduction by increasing the GTPase activity of G protein alpha subunits thereby driving them into their inactive GDP-bound form. Binds to G(i)-alpha and G(o)-alpha, but not to G(s)-alpha.
Cellular Location	Cytoplasm {ECO:0000250 UniProtKB:O15539}. Membrane {ECO:0000250 UniProtKB:O15539}
Tissue Location	Expressed in heart and muscle.

Background

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

Images



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); 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 (RGS5) Polyclonal Antibody, Unconjugated (AP58058) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

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