

RGS7 Rabbit pAb

Catalog Number: bs-19863R

Target Protein: RGS7

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500)

Reactivity: Mouse (predicted:Human, Rat, Rabbit, Sheep, Cow, Zebrafish, Chicken, Dog, Horse)

Predicted MW: 58 kDa

Entrez Gene: 6000

Swiss Prot: P49802

Source: KLH conjugated synthetic peptide derived from human RGS7: 221-320/495.

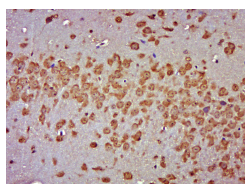
Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: RGS7 inhibits signal transduction by increasing the GTPase activity of G protein alpha subunits thereby driving them into their inactive GDP bound form. Activity on G(o) alpha is specifically enhanced by the RGS6/GNG5 dimer. RGS7 may play a role in synaptic vesicle exocytosis and may play an important role in the rapid regulation of neuronal excitability and the cellular responses to short lived stimulations.

VALIDATION 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 (RGS7) Polyclonal Antibody, Unconjugated (bs-19863R) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.