

Adenylate cyclase 1 Rabbit pAb

Catalog Number: bs-4288R

Target Protein: Adenylate cyclase 1

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: Human, Rat (predicted: Mouse, Pig, Cow, Dog)

Predicted MW: 123 kDa

Entrez Gene: 107

Swiss Prot: Q08828

Source: KLH conjugated synthetic peptide derived from human Adenylate cyclase 1:
1001-1119/1119.

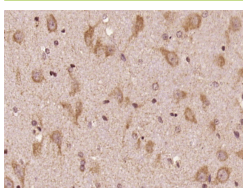
Purification: affinity purified by Protein A

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

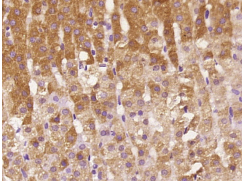
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: The membrane bound adenylyl cyclases (ACs) represent one of the major families of effector enzymes for G protein coupled receptors. Eight human AC isoforms (AC-1 through AC-4) have been identified up to now and genes for at least nine adenylate cyclase (AC-1-AC-9) have been cloned characterized and sequenced. This is a calmodulin-sensitive adenylyl cyclase which may be involved in regulatory processes in the central nervous system. It may play a role in neuronal plasticity, memory acquisition and learning and is expressed predominantly in the brain, retina and adrenal medulla.

VALIDATION IMAGES



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 (Adenylate cyclase 1) Polyclonal Antibody, Unconjugated (bs-4288R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat adrenal gland); 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 (Adenylate cyclase 1) Polyclonal Antibody, Unconjugated (bs-4288R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.