

bs-3681R**[Primary Antibody]**

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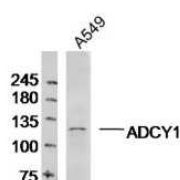
400-901-9800

Adenylate cyclase 1 Rabbit pAb

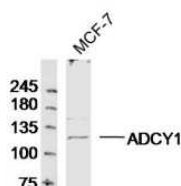
— DATASHEET —

| | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|-----------------------------------------------------|
| Host: Rabbit | Isotype: IgG | Applications: WB (1:500-2000) |
| Clonality: Polyclonal | | IHC-P (1:100-500) |
| GeneID: 107 | SWISS: Q08828 | IHC-F (1:100-500) |
| Target: Adenylate cyclase 1 | | IF (1:100-500) |
| Immunogen: KLH conjugated synthetic peptide derived from human adenylate cyclase type I: 751-850/1119. < Cytoplasmic > | | Reactivity: Human, Rat (predicted: Mouse) |
| Purification: affinity purified by Protein A | | |
| Concentration: 1mg/ml | | Predicted MW.: 123 kDa |
| 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. | | Subcellular Location: Cell membrane |
| 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. | | |

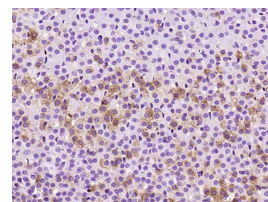
— VALIDATION IMAGES —



Sample: A549 Cell (Human) Lysate at 30 ug
Primary: Anti- ADCY1 (bs-3681R) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 123kD
Observed band size: 123kD



Sample: MCF-7 Cell (Human) Lysate at 30 ug
Primary: Anti- ADCY1 (bs-3681R) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 123kD
Observed band size: 123kD



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-3681R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

— SELECTED CITATIONS —

- **[IF=2.65]** Sitong Ming. et al. Protective Effect of Shengmai Yin in Myocardial Hypertrophy-Induced Rats: A Genomic Analysis by 16S rDNA. EVID-BASED COMPL ALT. 2022 Sep 07;2022:3188292 WB ;Rat. 36118100