bs-0600R

[Primary Antibody]

ADRA1A Rabbit pAb



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Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500)

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

Predicted MW.:^{51 kDa}

Subcellular Location: Cell membrane ,Nucleus

Host: Rabbit

- DATASHEET -

Clonality: Polyclonal

SWISS: P35348

Isotype: IgG

Target: ADRA1A

GenelD: 148

Immunogen: KLH conjugated synthetic peptide derived from human Alpha-1A adrenergic receptor: 201-300/466.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

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: Alpha-1-adrenergic receptors (alpha-1-ARs) are members of the G protein-coupled receptor superfamily. They activate mitogenic responses and regulate growth and proliferation of many cells. There are 3 alpha-1-AR subtypes: alpha-1A, -1B and -1D, all of which signal through the Gq/11 family of G-proteins and different subtypes show different patterns of activation. This gene encodes alpha-1A-adrenergic receptor. Alternative splicing of this gene generates four transcript variants, which encode four different isoforms with distinct C-termini but having similar ligand binding properties. [provided by RefSeq, Jul 2008].

- VALIDATION IMAGES -



Sample: Lane 1: Mouse Heart tissue lysates Lane 2: Rat Heart tissue lysates Primary: Anti-ADRA1A (bs-0600R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 51 kDa Observed band size: 47 kDa



Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffinembedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-ADRA1/ADRA1B/alpha 1 Adrenergic Receptor Polyclonal Antibody, Unconjugated (bs-0600R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



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- SELECTED CITATIONS -

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- [IF=4.37] Wang, Wenjuan, et al. "Effects of Estradiol Valerate and Remifemin on Norepinephrine Signaling in the Brain of Ovariectomized Rats."Neuroendocrinology 101.2 (2015): 120-132. IHC ;="Rat". 25613345
- [IF=2.59] Sun, Tao, et al. "Antihypertensive effect of formononetin through regulating the expressions of eNOS, 5-HT< sub> 2A/1B</sub> receptors and α < sub> 1</sub>-adrenoceptors in spontaneously hypertensive rat arteries." European Journal of Pharmacology (2013). Other ;="Rat". 23123056
- [IF=2.532] Jianchao Ren. et al. Ejaculatory Duct Obstruction Affects Seminal Vesicle Contractile Efficacy and Smooth Muscle Ultrastructure in a Rat Model. ANDROLOGIA. 2023;2023:5022466 WB ;Rat. 10.1155/2023/5022466