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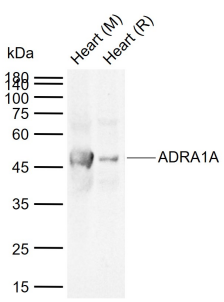
ADRA1A Rabbit pAb

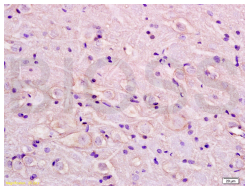
Catalog Number:	bs-0600R
Target Protein:	ADRA1A
Concentration:	1mg/ml
Form:	Liquid
Host:	Rabbit
Clonality:	Polyclonal
Isotype:	IgG
Applications:	WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500)
Reactivity:	Mouse, Rat (predicted:Human, Rabbit, Pig, Sheep, Cow, Chicken, Dog, GuineaPig, Horse)
Predicted MW:	51 kDa
Entrez Gene:	148
Swiss Prot:	P35348
Source:	KLH conjugated synthetic peptide derived from human Alpha-1A adrenergic receptor: 201-300/466.
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:	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

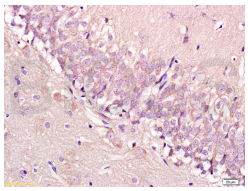


Sample: Lane 1: Mouse Heart tissue lysates Lane 2: Rat Heart tissue lysates Primary: Anti-ADRA1A (bs-0600R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 51 kDa Observed band size: 47 kDa

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



Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; 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



Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; 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

PRODUCT SPECIFIC PUBLICATIONS

[IF=7.84] Chen, Li-You, et al. "Early-life sleep deprivation persistently depresses melatonin production and bio-energetics of the pineal gland: potential implications for the development of metabolic deficiency." Brain Structure and Function (2014): 1-14. WB ; ="Rat" . 24515890

[IF=4.9] Wen Fan. et al. Leonurine Inhibits Hepatic Lipid Synthesis to Ameliorate NAFLD via the ADRA1a/AMPK/SCD1 Axis. INT J MOL SCI. 2024 Jan;25(19):10855 IF,WB ; Mouse . 39409181

[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

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