
Angiotensin II Type 1 Receptor Rabbit pAb

Catalog Number: bs-0630R

Target Protein: Angiotensin II Type 1 Receptor

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: Human, Mouse, Rat

Predicted MW: 39 kDa

Entrez Gene: 185

Swiss Prot: P30556

Source: KLH conjugated synthetic peptide derived from human AT1R: 151-250/359.

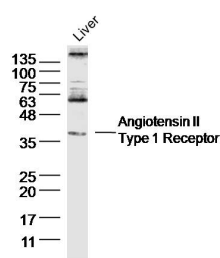
Purification: affinity purified by Protein A

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

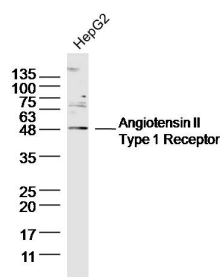
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: Angiotensin II is a potent vasopressor hormone and a primary regulator of aldosterone secretion. It is an important effector controlling blood pressure and volume in the cardiovascular system. It acts through at least two types of receptors. This gene encodes the type 1 receptor which is thought to mediate the major cardiovascular effects of angiotensin II. This gene may play a role in the generation of reperfusion arrhythmias following restoration of blood flow to ischemic or infarcted myocardium. It was previously thought that a related gene, denoted as AGTR1B, existed; however, it is now believed that there is only one type 1 receptor gene in humans. At least five transcript variants have been described for this gene. Additional variants have been described but their full-length nature has not been determined. The entire coding sequence is contained in the terminal exon and is present in all transcript variants. [provided by RefSeq].

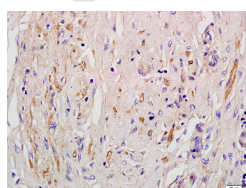
VALIDATION IMAGES



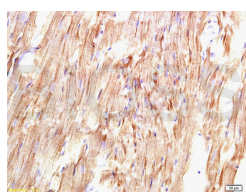
Sample: Liver (mouse) Lysate at 40 ug Primary: Anti- Angiotensin II Type 1 Receptor (bs-0630R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 39kD
Observed band size: 36kD



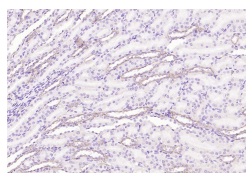
Sample: HepG2 (human) cell Lysate at 40 ug Primary: Anti- Angiotensin II Type 1 Receptor (bs-0630R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 39kD
Observed band size: 49kD



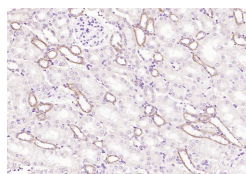
Tissue/cell: human pneumonia tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation: Anti-AT1R/AGTR1 Polyclonal Antibody, Unconjugated (bs-0630R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody (SP-0023) and DAB (C-0010) staining



Tissue/cell: rat myocardium 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-AT1R/AGTR1 Polyclonal Antibody, Unconjugated (bs-0630R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody (SP-0023) and DAB (C-0010) staining



Paraformaldehyde-fixed, paraffin embedded (rat kidney); Antigen retrieval by boiling in sodium citrate buffer (pH 6.0) 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 (Angiotensin II Type 1 Receptor) Polyclonal Antibody, Unconjugated (bs-0630R) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (mouse kidney); Antigen retrieval by boiling in sodium citrate buffer (pH 6.0) 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 (Angiotensin II Type 1 Receptor) Polyclonal Antibody, Unconjugated (bs-0630R) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) (sp-0023) instructions and DAB staining.

PRODUCT SPECIFIC PUBLICATIONS

[IF=14.224] Hongxu Bao. et al. Exposure to Real-Ambient Particulate Matter Induced Vascular Hypertrophy by Activation of PDGFR β . J HAZARD MATER. 2023 Feb;;130985 WB ; Human . 36801716

[IF=4.996] Cong Changsheng. et al. Renin-angiotensin system inhibitors mitigate radiation pneumonitis by activating ACE2-angiotensin-(1-7) axis via NF- κ B/MAPK pathway. SCI REP-UK. 2023 May;13(1):1-11 WB ; Mouse . 37221286

[IF=3.743] Chen Q et al. Sini decoction ameliorates sepsis-induced acute lung injury via regulating ACE2-Ang (1-7)-Mas axis and inhibiting

the MAPK signaling pathway. Biomed Pharmacother. 2019 Jul;115:108971. WB ; Mouse&Human . 31102910

[IF=3.234] Liu J et al. Sini decoction alleviates E. coli induced acute lung injury in mice via equilibrating ACE-AngII-AT1R and ACE2-Ang-(1-7)-Mas axis. Life Sci. 2018 Sep 1;208:139-148. WB ; Mouse . 29990483

[IF=2.5] Lei Li. et al. Arginine vasopressin and angiotensin II coregulate Aquaporin 2 expression in M-1 cells. BIOCHEM BIOPH RES CO. 2025 Jan;745:151256 IF ; Mouse . 39740402