

Anti-Angiotensin II Type 1 Receptor Antibody [11B3]

HA600029



Product Type:	Mouse monoclonal IgG1, primary antibodies
Species reactivity:	Human, Mouse, Rat
Applications:	WB, IF-Cell, FC
Molecular Wt:	Predicted band size: 41 kDa.
Clone number:	11B3

Description: The AT1 receptor mediates the major cardiovascular effects of angiotensin II. Effects include vasoconstriction, aldosterone synthesis and secretion, increased vasopressin secretion, cardiac hypertrophy, augmentation of peripheral noradrenergic activity, vascular smooth muscle cells proliferation, decreased renal blood flow, renal renin inhibition, renal tubular sodium reuptake, modulation of central sympathetic nervous system activity, cardiac contractility, central osmocontrol and extracellular matrix formation.

Immunogen: Synthetic peptide within human Angiotensin II Type 1 Receptor aa 300-350.

Positive control: PC-12 cell lysate, A549 cell lysate, HepG2 cell lysate, HeLa cell lysate, PC-12, 293T, A549.

Subcellular location: Cell membrane, Membrane.

Database links: SwissProt: P30556 Human | P25095 Rat | P29089 Rat

Recommended Dilutions:

WB	1:500-1:1,000
IF-Cell	1:50-1:100
FC	1:50-1:100

Storage Buffer: 1*TBS (pH7.4), 0.2% BSA, 50% Glycerol. Preservative: 0.05% Sodium Azide.

Storage Instruction: Shipped at 4°C. Store at +4°C short term (1-2 weeks). It is recommended to aliquot into single-use upon delivery. Store at -20°C long term.

Purity: Protein G affinity purified.

Hangzhou Huaan Biotechnology Co., Ltd.

Orders:0086-571-88062880

Technical:0086-571-89986345

Service mail:support@huabio.cn

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Images

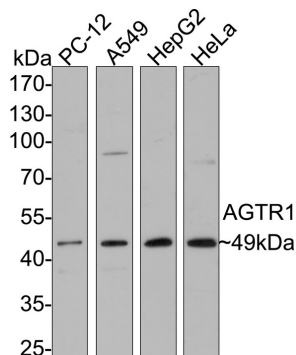
Fig1: Western blot analysis of Angiotensin II Type 1 Receptor on different lysates with Mouse anti-Angiotensin II Type 1 Receptor antibody (HA600029) at 1/500 dilution.

Lane 1: PC-12 cell lysate

Lane 2: A549 cell lysate

Lane 3: HepG2 cell lysate

Lane 4: HeLa cell lysate



Lysates/proteins at 10 µg/Lane.

Predicted band size: 41 kDa

Observed band size: 49 kDa

Exposure time: 2 minutes;

10% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFDN/TBST for 1 hour at room temperature. The primary antibody (HA600029) at 1/500 dilution was used in 5% NFDN/TBST at room temperature for 2 hours. Goat Anti-Mouse IgG - HRP Secondary Antibody (HA1006) at 1/200,000 dilution was used for 1 hour at room temperature.

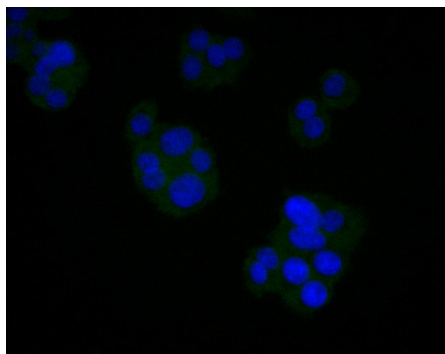


Fig2: ICC staining of Angiotensin II Type 1 Receptor in PC-12 cells (green). Formalin fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 10 minutes at room temperature and blocked with 1% Blocker BSA for 15 minutes at room temperature. Cells were probed with the primary antibody (HA600029, 1/50) for 1 hour at room temperature, washed with PBS. Alexa Fluor®488 Goat anti-Mouse IgG was used as the secondary antibody at 1/1,000 dilution. The nuclear counter stain is DAPI (blue).

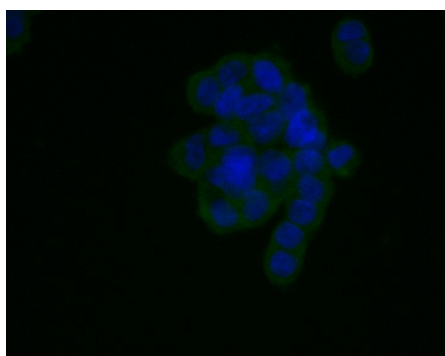


Fig3: ICC staining of Angiotensin II Type 1 Receptor in 293T cells (green). Formalin fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 10 minutes at room temperature and blocked with 1% Blocker BSA for 15 minutes at room temperature. Cells were probed with the primary antibody (HA600029, 1/50) for 1 hour at room temperature, washed with PBS. Alexa Fluor®488 Goat anti-Mouse IgG was used as the secondary antibody at 1/1,000 dilution. The nuclear counter stain is DAPI (blue).

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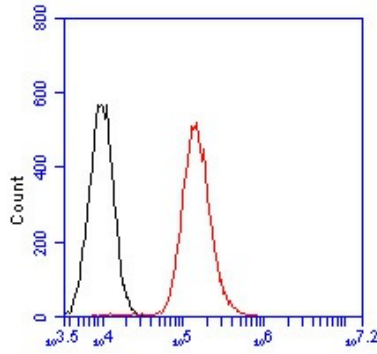


Fig4: Flow cytometric analysis of Angiotensin II Type 1 Receptor was done on A549 cells. The cells were fixed, permeabilized and stained with the primary antibody (HA600029, 1/50) (red). After incubation of the primary antibody at room temperature for an hour, the cells were stained with a Alexa Fluor 488-conjugated Goat anti-Mouse IgG Secondary antibody at 1/1000 dilution for 30 minutes. Unlabelled sample was used as a control (cells without incubation with primary antibody; black).

Note: All products are “FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE”.

Background References

1. Jia W. et. al. A strategy for precise and large scale identification of core fucosylated glycoproteins. *Mol. Cell. Proteomics* 8:913-923(2009).

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