Datasheet for ABIN7042922

anti-Angiotensin II Type-1 Receptor antibody (Extracellular, N-Term)

5 Images

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Overview

Quantity:	25 µL
Target:	Angiotensin II Type-1 Receptor (AGTR1)
Binding Specificity:	AA 4-18, Extracellular, N-Term
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Flow Cytometry (FACS), Immunofluorescence (IF), Immunocytochemistry (ICC), Live Cell Imaging (LCI)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: NSSTEDGIKRIQDDC, corresponding to amino acid residues 4-18 of human AT1 receptor
Isotype:	IgG
Characteristics:	Anti-Angiotensin II Receptor Type-1 (extracellular) Antibody (ABIN7042922, ABIN7043900 and ABIN7043901)) is a highly specific antibody directed against an epitope of the human protein. The antibody can be used in western blot, immunohistochemistry, immunocytochemistry, and indirect flow cytometry applications. It has been designed to recognize AT1 receptor from rat, mouse, and human samples.
Purification:	Affinity purified on immobilized antigen.

Target Details

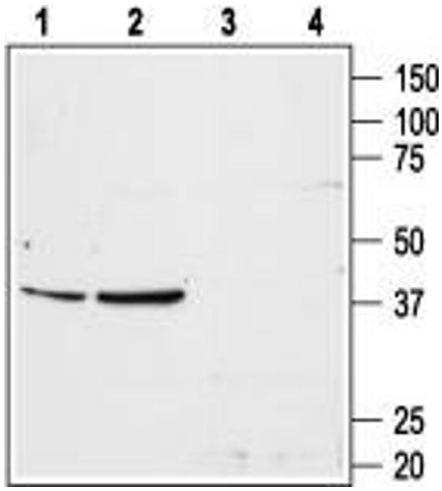
Target:	Angiotensin II Type-1 Receptor (AGTR1)
Alternative Name:	Angiotensin II Receptor Type-1 (AGTR1 Products)
Background:	Alternative names: Angiotensin II Receptor Type-1, AT1 Receptor, AT1R, AGTR1
Gene ID:	185
NCBI Accession:	NM_000685
UniProt:	P30556
Pathways:	JAK-STAT Signaling, ACE Inhibitor Pathway, Regulation of Systemic Arterial Blood Pressure by Hormones, Feeding Behaviour

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

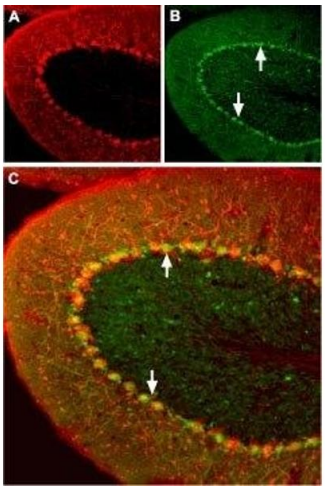
Handling

Format:	Lyophilized
Reconstitution:	25 µL, 50 µL or 0.2 mL double distilled water (DDW), depending on the sample size.
Concentration:	0.7 mg/mL
Buffer:	Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1 % BSA, 0.05 % Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	RT,4 °C,-20 °C
Storage Comment:	Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C. Storage after reconstitution: The reconstituted solution can be stored at 4°C for up to 1 week. For longer periods, small aliquots should be stored at -20°C. Avoid multiple freezing and thawing. Centrifuge all antibody preparations before use (10000 x g 5 min).



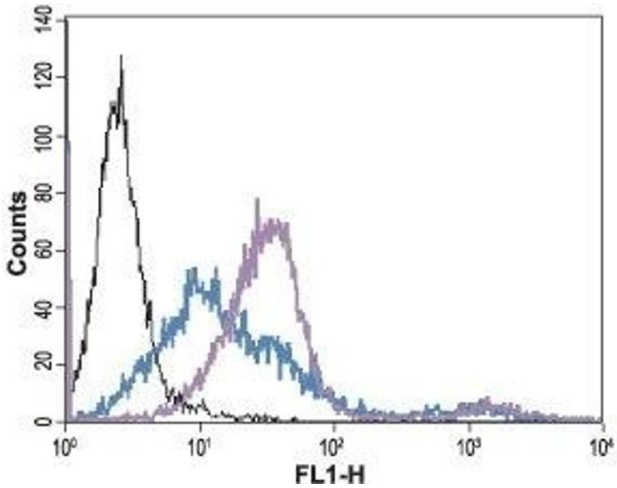
Western Blotting

Image 1. Western blot analysis of rat liver (lanes 1 and 3) and rat kidney (lanes 2 and 4) membranes: - 1,2. Anti-Angiotensin II Receptor Type-1 (extracellular) Antibody (ABIN7042922, ABIN7043900 and ABIN7043901), (1:200).3,4. Anti-Angiotensin II Receptor Type-1 (extracellular) Antibody, preincubated with Angiotensin II Receptor Type-1 (extracellular) Blocking Peptide (#BLP-AR011).



Immunohistochemistry

Image 2. Expression of Angiotensin II Receptor Type-1 in mouse cerebellum - Immunohistochemical staining of mouse cerebellum using Anti-Angiotensin II Receptor Type-1 (extracellular) Antibody (ABIN7042922, ABIN7043900 and ABIN7043901). A. Mouse anti-Parvalbumin (red) is detected in the Purkinje layer. B. In the same section, AT1 receptor (green) is also present in the Purkinje layer. Arrows point at AT1 receptor immunoreactive cells. Merge of A and B panels reveals partial co-localization.



Flow Cytometry

Image 3. Cell surface detection of AGTR1 in live intact human Jurkat T-cell leukemia cells: (black line) Unstained cells + goat-anti-rabbit-FITC. (red line) Cells + Anti-Angiotensin II Receptor Type-1 (extracellular) Antibody (ABIN7042922, ABIN7043900 and ABIN7043901), (5 µg) + goat-anti-rabbit-FITC. (green line) Cells + Anti-Angiotensin II Receptor Type-1 (extracellular) Antibody, (10 µg) + goat-anti-rabbit-FITC.

Please check the product details page for more images. Overall 5 images are available for ABIN7042922.