

Datasheet for ABIN7042925

**anti-Angiotensin II Type 2 Receptor antibody (Extracellular, N-Term)**[Go to Product page](#)

## 5 Images

## Overview

Quantity:	25 µL
Target:	Angiotensin II Type 2 Receptor (AGTR2)
Binding Specificity:	AA 21-35, Extracellular, N-Term
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Angiotensin II Type 2 Receptor antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunocytochemistry (ICC), Immunofluorescence (IF), Live Cell Imaging (LCI)

## Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: DNLNATGTNESAFNC, corresponding to amino acid residues 21-35 of rat AT2 receptor
Isotype:	IgG
Cross-Reactivity (Details):	Will not recognize human AT2 receptor.
Characteristics:	Anti-Angiotensin II Receptor Type-2 (extracellular) Antibody (ABIN7042925, ABIN7043902 and ABIN7043903)) is a highly specific antibody directed against an extracellular epitope of the rat protein. The antibody can be used in western blot, immunocytochemistry and immunohistochemistry applications. It has been designed to recognize AT2 receptor from rat and mouse samples. The antibody won't recognize human AT2R.

## Product Details

Purification: Affinity purified on immobilized antigen.

## Target Details

Target: Angiotensin II Type 2 Receptor (AGTR2)

Alternative Name: Angiotensin II Receptor Type-2 ([AGTR2 Products](#))

Background: Alternative names: Angiotensin II Receptor Type-2, AT2 Receptor, AT2R, AGTR2, MRX88

Gene ID: 24182

NCBI Accession: [NM\\_000686](#)

UniProt: [P35351](#)

Pathways: [ACE Inhibitor Pathway](#), [Hormone Transport](#), [Regulation of Systemic Arterial Blood Pressure by Hormones](#)

## 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: 0.8 mg/mL

Buffer: Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1 % BSA, 0.05 % Sodium azide.

Preservative: Sodium azide

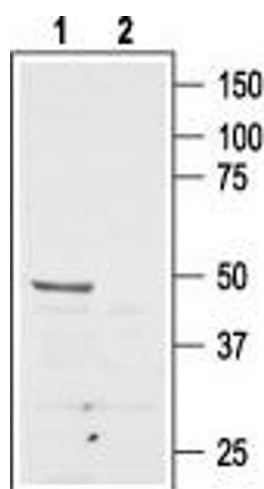
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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

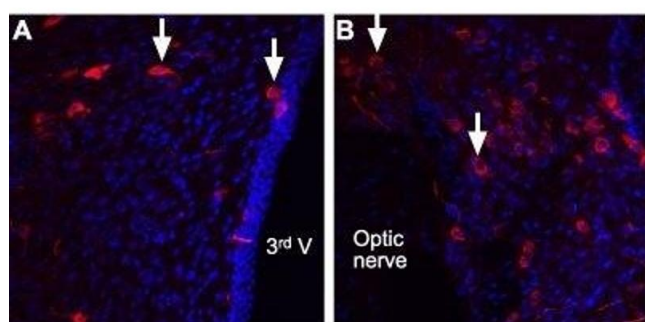
thawing. Centrifuge all antibody preparations before use (10000 x g 5 min).

## Images



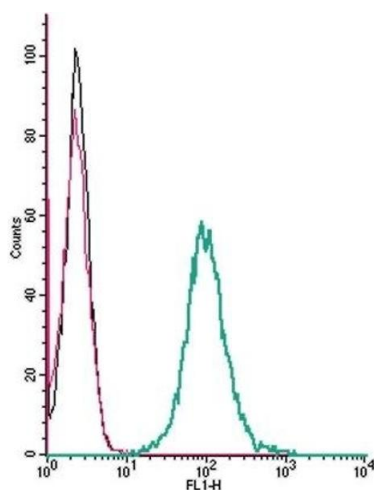
## Western Blotting

**Image 1.** Western blot analysis of rat brain membranes: - 1. Anti-Angiotensin II Receptor Type-2 (extracellular) Antibody ((ABIN7042925, ABIN7043902 and ABIN7043903), (1:500). 2. Anti-Angiotensin II Receptor Type-2 (extracellular) Antibody, preincubated with Angiotensin II Receptor Type-2 (extracellular) Blocking Peptide (#BLP-AR012).



## Immunohistochemistry

**Image 2.** Expression of Angiotensin II receptor type-2 in rat brain - Immunohistochemical staining of rat brain sections using Anti-Angiotensin Receptor Type-2 (extracellular) Antibody (ABIN7042925, ABIN7043902 and ABIN7043903). A. AT2 receptor expressing neurons (red) are scattered in the paraventricular nucleus of the hypothalamus (arrows), in the vicinity of the 3rd ventricle (3rd V). B. AT2 receptor expressing neurons in the supraoptic nucleus (arrows), adjacent to the optic nerve. Nissl is used as the counterstain (blue).



## Flow Cytometry

**Image 3.** Cell surface detection of Angiotensin II receptor type-2 by indirect flow cytometry in live intact mouse J774 macrophage cells: (black line) Cells. (red line) Cells + goat-anti-rabbit-FITC. (green line) Cells + Anti-Angiotensin II Receptor Type-2 (extracellular) Antibody (ABIN7042925, ABIN7043902 and ABIN7043903), (2.5 µg) + goat-anti-rabbit-FITC.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN7042925.