

Datasheet for ABIN289368

anti-Angiotensin II Type-1 Receptor antibody



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1 Publication

Overview

Quantity:	100 µg
Target:	Angiotensin II Type-1 Receptor (AGTR1)
Reactivity:	Rat
Host:	Chicken
Clonality:	Polyclonal
Conjugate:	This Angiotensin II Type-1 Receptor antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	AGTR1 antibody was raised in chicken using 10-aa peptide from rat AT-II type 1 as the immunogen.
Isotype:	IgG
Specificity:	The 10 aa peptide is 100%, identical in Mouse, Ovine rat, human, Pig, and rabbit.
Cross-Reactivity (Details):	This 10 AA immunogenic peptide is 100 % identical in mouse, rat, human, ovine, pig, dog, chimpanzee and chicken. The sequence is the same in all AT II receptor isoforms (Type 1a, 1b, and 1c).
Purification:	Affinity chromatography purified

Target Details

Target:	Angiotensin II Type-1 Receptor (AGTR1)
Alternative Name:	AGTR1 (AGTR1 Products)

Target Details

Background: Angiotensin II receptor, type 1 or AT1 receptor is an angiotensin receptor. It has vasopressor effects and regulates aldosterone secretion. It is an important effector controlling blood pressure and volume in the cardiovascular system. Angiotensin II receptor antagonists are drugs indicated for hypertension, diabetic nephropathy and congestive heart failure.

Pathways: [JAK-STAT Signaling](#), [ACE Inhibitor Pathway](#), [Regulation of Systemic Arterial Blood Pressure by Hormones](#), [Feeding Behaviour](#)

Application Details

Application Notes: ELISA: 1:10,000-1:100,000, WB: 1-10 µg/mL
Optimal conditions should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Reconstitute in PBS to a concentration of 1 mg/mL

Concentration: Lot specific

Buffer: Lyophilized from PBS with 0.1 % BSA.

Handling Advice: Avoid repeated freeze/thaw cycles.
Dilute only prior to immediate use.

Storage: 4 °C/-20 °C

Storage Comment: Store at 4 °C for short term storage. Aliquot and store at -20 °C for long term storage.

Publications

Product cited in: Walch, Carreño, Cunningham: "Intracerebroventricular losartan infusion modulates angiotensin II type 1 receptor expression in the subfornical organ and drinking behaviour in bile-duct-ligated rats." in: **Experimental physiology**, Vol. 98, Issue 4, pp. 922-33, (2013) ([PubMed](#)).