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Datasheet for ABIN4996499

anti-Angiotensin II antibody (AA 34-41) (Alexa Fluor 680)

Overview

Quantity:	100 µL
Target:	Angiotensin II (Ang II)
Binding Specificity:	AA 34-41
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Angiotensin II antibody is conjugated to Alexa Fluor 680
Application:	Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	MAP conjugated synthetic peptide derived from human Angiotensin II
Isotype:	IgG
Specificity:	The immunogen used generate this antibody is DRVYIHPF, corresponding to amino acids 34-41 of human Angiotensinogen.
Cross-Reactivity:	Human
Purification:	Purified by Protein A.

Target Details

Target:	Angiotensin II (Ang II)
Alternative Name:	Angiotensin II (Ang II Products)

Target Details

Background: Synonyms: Alpha 1 antiproteinase, antitrypsin, Ang II, ANG III, Angiotensin I, Angiotensin II, Angiotensin III, Angiotensinogen, Angiotensinogen serpin peptidase inhibitor, clade A member 8, ANHU, Pre angiotensinogen, Serine or cysteine proteinase inhibitor, Serpin A8, SERPINA8, AT-2, AT-II, ANGT_HUMAN.

Background: Essential component of the renin-angiotensin system (RAS), a potent regulator of blood pressure, body fluid and electrolyte homeostasis. Angiotensin-2: acts directly on vascular smooth muscle as a potent vasoconstrictor, affects cardiac contractility and heart rate through its action on the sympathetic nervous system, and alters renal sodium and water absorption through its ability to stimulate the zona glomerulosa cells of the adrenal cortex to synthesize and secrete aldosterone. Angiotensin-3: stimulates aldosterone release. Angiotensin 1-7: is a ligand for the G-protein coupled receptor MAS1. Has vasodilator and antidiuretic effects. Has an antithrombotic effect that involves MAS1-mediated release of nitric oxide from platelets.

Gene ID: 183

Pathways: [JAK-STAT Signaling](#), [ACE Inhibitor Pathway](#), [EGFR Signaling Pathway](#), [Peptide Hormone Metabolism](#), [Regulation of Systemic Arterial Blood Pressure by Hormones](#), [Regulation of Lipid Metabolism by PPARalpha](#), [Protein targeting to Nucleus](#), [Feeding Behaviour](#), [Regulation of long-term Neuronal Synaptic Plasticity](#)

Application Details

Application Notes: IF(IHC-P) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months