

Datasheet for ABIN7445423
anti-Angiotensin II antibody[Go to Product page](#)

2 Images

1 Publication

Overview

Quantity:	100 µL
Target:	Angiotensin II (Ang II)
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Angiotensin II antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunoprecipitation (IP), Immunocytochemistry (ICC)

Product Details

Purpose:	Polyclonal Antibody to Angiotensin II (AngII)
Immunogen:	OVA Conjugated Angiotensin II (AngII)
Isotype:	IgG
Specificity:	The antibody is a rabbit polyclonal antibody raised against AngII. It has been selected for its ability to recognize AngII in immunohistochemical staining and western blotting.
Purification:	Antigen-specific affinity chromatography followed by Protein A affinity chromatography

Target Details

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

Target Details

Background:	Ang-II, Angiotensin-2
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:	Western blotting: 0.5-2 µg/mL Immunohistochemistry: 5-20 µg/mL Immunocytochemistry: 5-20 µg/mL Optimal working dilutions must be determined by end user.
Comment:	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Restrictions:	For Research Use only

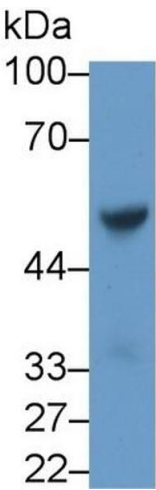
Handling

Format:	Liquid
Buffer:	0.01 M PBS, pH7.4, containing 0.05% Proclin-300, 50% glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store at 4°C for frequent use. Stored at -20°C in a manual defrost freezer for two year without detectable loss of activity. Avoid repeated freeze-thaw cycles.
Expiry Date:	24 months

Publications

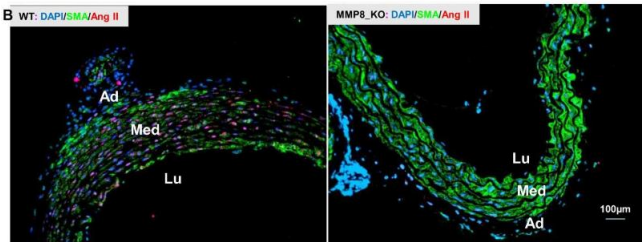
Product cited in:	Zhang, Niu, Ren, Zhou, Yang, Yang, Wang, Luo, Shao, Zhang, Chen, Gao, Ge, Wu, Xiao: "Targeted Inhibition of Matrix Metalloproteinase-8 Prevents Aortic Dissection in a Murine Model." in: Cells ,
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Images



Western Blotting

Image 1. Detection of AngII in HepG2 cell lysate using Polyclonal Antibody to Angiotensin II (AngII)



Immunofluorescence

Image 2. Immunofluorescent staining analysis of the Ang II expressions in thoracic aorta. Reduced Ang II levels, lower blood pressure, and decreased VCAM-1 expressions were observed in MMP8_KO mice. Three week-old WT and MMP8_KO mice were administered with BAPN in drinking water for two weeks, thoracic aortic tissues and plasma were collected for analysis. Source: DOI 10.3390/cells11203218