

# Product Datasheet

## Angiotensin II/III Antibody (Ang II E7 (BGN/KA/4L)) - BSA Free NB100-62346

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NB100-62346**

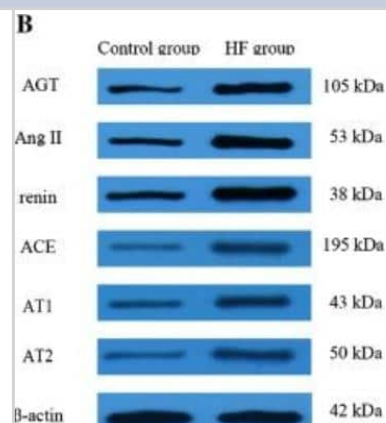
Angiotensin II/III Antibody (Ang II E7 (BGN/KA/4L)) - BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	Ang II E7 (BGN/KA/4L)
Preservative	0.09% Sodium Azide
Isotype	IgG2a
Purity	Protein A or G purified
Buffer	PBS
Product Description	
Host	Mouse
Gene ID	183
Gene Symbol	AGT
Species	Human, Mouse, Rat
Reactivity Notes	Based on sequence similarity this antibody is expected to react with Sheep, Pig, and Horse. Mouse reactivity reported in a scientific publication (PMID: 23570453). Rat reactivity reported in a scientific publication (PMID: 23800500).
Specificity/Sensitivity	This product reacts with Angiotensin II and III. Negligible reactivity was observed with Angiotensin I and Angiotensinogen.
Immunogen	Peptide sequence corresponding to angiotensin II, conjugated to a proprietary molecular weight carrier. Peptide sequence: DRVYIHPF
Product Application Details	
Applications	Western Blot, ELISA, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:100-1:2000, ELISA 1:100-1:2000, Immunohistochemistry 1:10-1:500, Immunohistochemistry-Paraffin 1:10-1:500
Application Notes	Use in Immunohistochemistry on paraffin sections was reported in a scientific publication (PMID: 23570453). Use in Western Blot was reported in a scientific publication (PMID: 23800500).

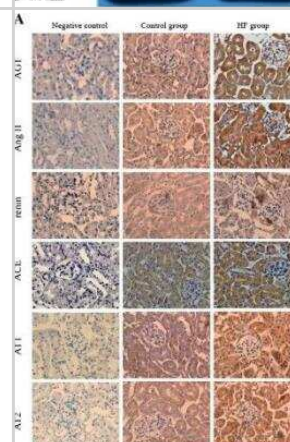


## Images

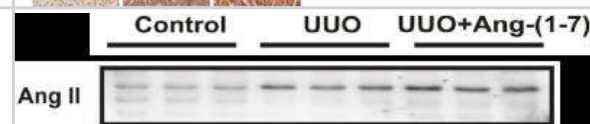
**Western Blot: Angiotensin II/III Antibody (Ang II E7 (BGN/KA/4L)) [NB100-62346]** - Protein expressions of intrarenal RAS components in two groups of mice. Western blot analysis for protein expressions of intrarenal RAS components in the two groups of mice. Image collected and cropped by CiteAb from the following publication ([lipidworld.biomedcentral.com/articles/10.1186/1476-511X-12-49](https://lipidworld.biomedcentral.com/articles/10.1186/1476-511X-12-49)), licensed under a CC-BY license.



**Immunohistochemistry: Angiotensin II/III Antibody (Ang II E7 (BGN/KA/4L)) [NB100-62346]** - Protein expressions of intrarenal RAS components in two groups of mice. (A) Immunohistochemical analysis of intrarenal RAS expression position in the two groups of mice. AGT immunoreactivity in the proximal tubular cells, Ang II immunoreactivity in both glomerular and tubular cells, renin immunoreactivity in juxtaglomerular apparatus cells, ACE immunoreactivity in brush border membranes of proximal tubules as well as AT1 and AT2 immunoreactivity in the proximal tubules were increased in the HF group when compared to the control group. Image collected and cropped by CiteAb from the following publication ([lipidworld.biomedcentral.com/articles/10.1186/1476-511X-12-49](https://lipidworld.biomedcentral.com/articles/10.1186/1476-511X-12-49)), licensed under a CC-BY license.



**Western Blot: Angiotensin II/III Antibody (Ang II E7 (BGN/KA/4L)) [NB100-62346]** - Evaluation of angiotensin II expression in untreated UUO rat kidneys and UUO rat kidneys treated with Ang-(1-7).



## Publications

SH Suh, HS Choi, CS Kim, IJ Kim, H Cha, JM Cho, SK Ma, SW Kim, EH Bae CG200745, a Novel HDAC Inhibitor, Attenuates Kidney Fibrosis in a Murine Model of Alport Syndrome Int J Mol Sci, 2020-02-21;21(4):. 2020-02-21 [PMID: 32098220]

Wu Q, Zhou S, Xu D et al. The CXCR4-AT1 axis plays a vital role in glomerular injury via mediating the crosstalk between podocyte and mesangial cell Translational research : the journal of laboratory and clinical medicine 2023-09-09 [PMID: 37696390]

Meister ML, Najjar RS, Danh JP et al. Berry consumption mitigates the hypertensive effects of a high-fat, high-sucrose diet via attenuation of renal and aortic AT1R expression resulting in improved endothelium-derived NO bioavailability The Journal of nutritional biochemistry 2022-11-23 [PMID: 36435288] (WB, Mouse, Human)

Wang W, Su L, Wang Y et al. Endothelial Cells Mediated by UCP2 Control the Neurogenic-to-Astrogenic Neural Stem Cells Fate Switch During Brain Development Advanced science (Weinheim, Baden-Wurtemberg, Germany) 2022-04-30 [PMID: 35488517] (WB, Human)

Dornhoffer, J R, Wei, T Et al. The expression of renin-angiotensin-aldosterone axis components in infantile hemangioma tissue and the impact of propranolol treatment. Pediatr Res 2017-07-01 [PMID: 28376078] (ICC/IF, Rat)

Okamoto K, Fujii H, Goto S et al. Influence of Coexisting Chronic Kidney Disease and Left Ventricular Hypertrophy on Changes in FGF23 and the Renin-Angiotensin-Aldosterone-System Research Square 2021-06-24 (IHC-P)

Balakrishnan I, Danis E, Pierce A et al. Ninjurin 1 dodecamer peptide containing the N-terminal adhesion motif (N-NAM) exerts proangiogenic effects in HUVECs and in the postischemic brain Cell Rep 2020 Oct 7 [PMID: 33086074] (WB, IHC, Human)

Details:

Citation using the IHC-Prediluted format of this antibody

Balakrishnan I, Danis E, Pierce A et al. Ninjurin 1 dodecamer peptide containing the N-terminal adhesion motif (N-NAM) exerts proangiogenic effects in HUVECs and in the postischemic brain Cell Rep 2020 Oct 7 [PMID: 33086074] (WB, IHC, Human)

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Citation using the IHC-Prediluted format of this antibody

Angiotensin II Removes Kidney Resistance Conferred by Ischemic Preconditioning. Jang HS, Kim JI, Kim J Biomed Res Int [PMID: 25243156] (IF/IHC, WB, Mouse)

Dang Z, Su S, Jin G, et al. Tsantan Sumtang attenuated chronic hypoxia-induced right ventricular structure remodeling and fibrosis by equilibrating local ACE-AngII-AT1R/ACE2-Ang1-7-Mas axis in rat J Ethnopharmacol 2019-12-17 [PMID: 31862407] (IF/IHC, Rat)

Sukketsiri W, Hoshino K, Kugo H et al. Isoflavone Ameliorated Oxidative Stress and Vascular Damages in Nicotine-Administrated Mice J Oleo Sci 2019-12-01 [PMID: 31735744] (IHC-P, Mouse)

Su YY, Li HM, Yan ZX et al. Renin-angiotensin system activation and imbalance of matrix metalloproteinase-9/tissue inhibitor of matrix metalloproteinase-1 in cold-induced stroke Life Sci. 2019-06-11 [PMID: 31200003] (IHC-P, WB, Rat)

More publications at <http://www.novusbio.com/NB100-62346>





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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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