

**AGT Antibody (N-term)**  
**Mouse Monoclonal Antibody (Mab)**  
**Catalog # AM2173b**

**Specification**

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**AGT Antibody (N-term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">P01019</a>
Other Accession	<a href="#">NP_000020</a>
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	52070
Antigen Region	37-65

**AGT Antibody (N-term) - Additional Information**

**Gene ID** 183

**Other Names**

Angiotensinogen, Serpin A8, Angiotensin-1, Angiotensin 1-10, Angiotensin I, Ang I, Angiotensin-2, Angiotensin 1-8, Angiotensin II, Ang II, Angiotensin-3, Angiotensin 2-8, Angiotensin III, Ang III, Des-Asp[1]-angiotensin II, Angiotensin-4, Angiotensin 3-8, Angiotensin IV, Ang IV, Angiotensin 1-9, Angiotensin 1-7, Angiotensin 1-5, Angiotensin 1-4, AGT, SERPINA8

**Target/Specificity**

This AGT antibody is generated from mice immunized with a KLH conjugated synthetic peptide between 37-65 amino acids from the N-terminal region of human AGT.

**Dilution**

WB~~1:100~1000

**Format**

Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

AGT Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**AGT Antibody (N-term) - Protein Information**

**Name** AGT ([HGNC:333](#))

### Synonyms SERPINA8

**Function** Essential component of the renin-angiotensin system (RAS), a potent regulator of blood pressure, body fluid and electrolyte homeostasis.

### Cellular Location

Secreted

### Tissue Location

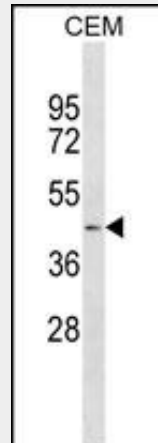
Expressed by the liver and secreted in plasma.

### AGT Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### AGT Antibody (N-term) - Images



AGT Antibody (N-term) (Cat. #AM2173b) western blot analysis in CEM cell line lysates (35µg/lane). This demonstrates the AGT antibody detected the AGT protein (arrow).

### AGT Antibody (N-term) - Background

The protein encoded by this gene, pre-angiotensinogen or angiotensinogen precursor, is expressed in the liver and is cleaved by the enzyme renin in response to lowered blood pressure. The resulting product, angiotensin I, is then cleaved by angiotensin converting enzyme (ACE) to generate the physiologically active enzyme angiotensin II. The protein is involved in maintaining blood pressure and in the pathogenesis of essential hypertension and preeclampsia. Mutations in this gene are associated with susceptibility to essential hypertension, and can cause renal

tubular dysgenesis, a severe disorder of renal tubular development. Defects in this gene have also been associated with non-familial structural atrial fibrillation, and inflammatory bowel disease.

#### **AGT Antibody (N-term) - References**

Desong, Liu., et al. J Renin Angiotensin Aldosterone Syst 11(4):248-255(2010)  
Procopciuc, L.M., et al. Eur. J. Intern. Med. 21(5):414-418(2010)  
Romero, R., et al. Am. J. Obstet. Gynecol. 203 (4), 361 (2010) :  
Hajjar, I., et al. J Am Geriatr Soc 58(6):1035-1042(2010)  
Kiec-Wilk, B., et al. Prz. Lek. 67(3):151-156(2010)