

## Product datasheet for **AM06351SU-N**

### Angiotensinogen (AGT) Mouse Monoclonal Antibody [Clone ID: 1B1]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	1B1
Applications:	ELISA, WB
Recommended Dilution:	<b>ELISA:</b> 1/10000. <b>Western Blot:</b> 1/500 - 1/2000.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Purified recombinant fragment of human AGT expressed in E. Coli.
Specificity:	Recognizes Angiotensinogen (AGT).
Formulation:	State: Ascites State: Ascitic fluid containing 0.03% Sodium Azide.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	53 kDa
Gene Name:	angiotensinogen
Database Link:	<a href="#">Entrez Gene 183 Human P01019</a>



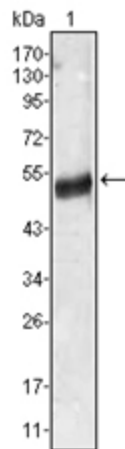
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**Background:**

AGT, 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.

**Synonyms:**

AGT, SERPINA8, Angiotensin I, Angiotensin II, Angiotensin III, Angiotensin IV, Angiotensin-1, Angiotensin-2, Angiotensin-3, Angiotensin-4

**Product images:**

Western blot analysis using AGT antibody Cat.-No AM06351SU-N against human plasma (Lane 1).