

## AGT Mouse mAb

CatalogNo: YM0016

### Key Features

#### Host Species

- Mouse

#### Reactivity

- Human

#### Applications

- WB,ELISA

#### MW

- 52kD (Calculated)

### Recommended Dilution Ratios

**WB 1:500-1:2000**

**ELISA 1:10000**

**Not yet tested in other applications.**

### Storage

**Storage\*** -15°C to -25°C/1 year(Do not lower than -25°C)

**Formulation** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

### Basic Information

**Clonality** Monoclonal

### Immunogen Information

**Immunogen** Purified recombinant fragment of human AGT expressed in E. Coli.

**Specificity** AGT Monoclonal Antibody detects endogenous levels of AGT protein.

### Target Information

**Gene name** AGT

**Protein Name**

Angiotensinogen

Organism	Gene ID	UniProt ID
Human	<a href="#">183</a> ;	<a href="#">P01019</a> ;
Mouse		<a href="#">P11859</a> ;

**Cellular Localization**

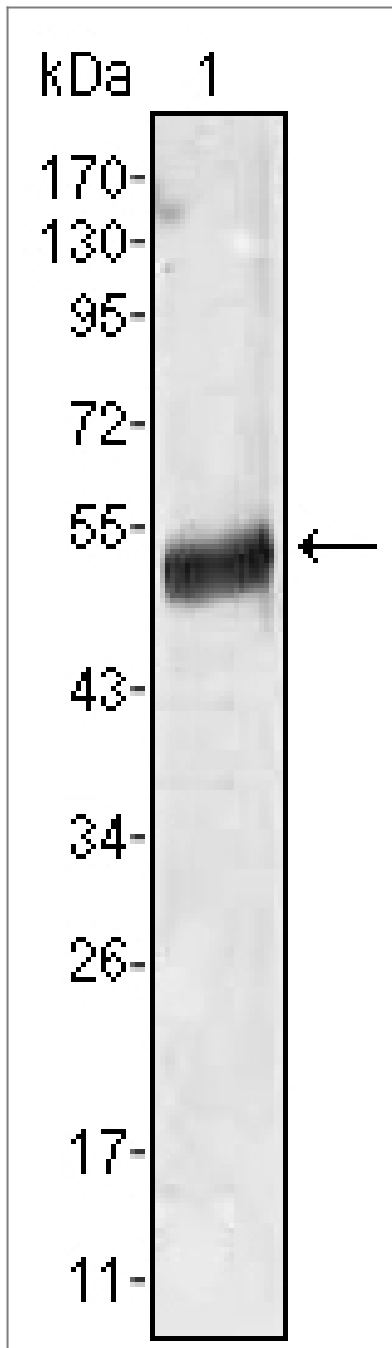
Secreted.

**Tissue specificity** Expressed by the liver and secreted in plasma.**Function**

Caution:It is uncertain whether Met-1 or Met-10 is the initiator.,Disease:Defects in AGT are a cause of renal tubular dysgenesis (RTD) [MIM:267430]. RTD is an autosomal recessive severe disorder of renal tubular development characterized by persistent fetal anuria and perinatal death, probably due to pulmonary hypoplasia from early-onset oligohydramnios (the Potter phenotype).,Disease:Defects in AGT are associated with susceptibility to essential hypertension [MIM:145500]. Hypertension also occurs in 5-7% of all pregnancies where it is a leading cause of maternal, fetal and neonatal morbidity and mortality. Among pregnancy-induced hypertension cases, severe pre-eclampsia [MIM:189800] is characterized by the development of hypertension and proteinuria after the 20th week of pregnancy and is the most distinctive, life-threatening form.,Function:Angiotensin-3 stimulates aldosterone release.,Function:In response to lowered blood pressure, the enzyme renin cleaves angiotensin-1, from angiotensinogen. ACE (angiotensin converting enzyme) then removes a dipeptide to yield the physiologically active peptide angiotensin-2, the most potent pressor substance known, which helps regulate volume and mineral balance of body fluids.,online information:Angiotensin entry,online information:The Singapore human mutation and polymorphism database,PTM:Beta-decarboxylation of Asp-34 in angiotensin-2, by mononuclear leukocytes produces alanine. The resulting peptide form, angiotensin-A, has the same affinity for the AT1 receptor as angiotensin-2, but a higher affinity for the AT2 receptor.,similarity:Belongs to the serpin family.,subunit:During pregnancy, exists as a disulfide-linked 2:2 heterotetramer with the proform of PRG2 and as a complex (probably a 2:2:2 heterohexamer) with pro-PRG2 and C3dg.,tissue specificity:Expressed by the liver and secreted in plasma.,

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## | Validation Data



Western Blot analysis using AGT Monoclonal Antibody against human plasma (1).

## Contact information

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