

Code No. 10417

**Anti-Human
Angiotensinogen (104AT 601.2.80) Mouse IgG MoAb**Volume : 100 µg

Introduction : Angiotensinogen is the precursor of angiotensin and is cleaved into angiotensin I and II in the renin-angiotensin system, and it has long been reported to play an important role in controlling blood pressure. In recent years interest related to the role of the renin-angiotensin system in arterial pressure control and the pathophysiology of hypertension has been shifting to its local role in various tissues. Among the studies urinary excretion of angiotensinogen in a rat model of angiotensin II (All)-dependent hypertension has been reported to be a marker of the activity of the local intrarenal renin-angiotensin system. Intrarenal All increases to an extent in All-dependent hypertension that cannot be explained by the plasma All equilibration alone, and two mechanisms, an increase in intracellular uptake of All and an increase in intrarenal expression of angiotensinogen, have been proposed to explain it.

Antigen : Recombinant protein of human angiotensinogen

Source : Mouse-Mouse hybridoma

Clone : 104AT 601.2.80 **Subclass** : IgG₁

Purification : Affinity purified with Protein A

Form : Lyophilized product from PBS containing 1 % BSA and 0.05 % NaN₃

How to use : 1.0 mL deionized water will be added to the product, then its concentration comes to 100 µg/mL

Stability : Lyophilized product, 5 years at 2 - 8 °C
: Solution, 2 years at -20 °C

Application : This antibody can be used for western blotting in concentration of about 2 µg/mL

Specificity : Recognizes the C-terminus of human angiotensinogen (394-485 aa).

Reference : 1. Satou R, Miyata K, Katsurada A, Navar LG, Kobori H. Tumor necrosis factor- α suppresses angiotensinogen expression through formation of a p50/p50 homodimer in human renal proximal tubular cells. *Am J Physiol Cell Physiol.* 2010 Oct;299(4):C750-9.
2. Katsurada A, Hagiwara Y, Miyashita K, Satou R, Miyata K, Ohashi N, Navar LG, Kobori H. Novel sandwich ELISA for human angiotensinogen. *Am J Physiol Renal Physiol.* 2007 Sep;293(3):F956-60.

For research use only, not for use in diagnostic procedures.

Code No. 10417

**Anti-Human
Angiotensinogen (104AT 601.2.80) Mouse IgG MoAb**Volume : 10 µg

Introduction : Angiotensinogen is the precursor of angiotensin and is cleaved into angiotensin I and II in the renin-angiotensin system, and it has long been reported to play an important role in controlling blood pressure. In recent years interest related to the role of the renin-angiotensin system in arterial pressure control and the pathophysiology of hypertension has been shifting to its local role in various tissues. Among the studies urinary excretion of angiotensinogen in a rat model of angiotensin II (All)-dependent hypertension has been reported to be a marker of the activity of the local intrarenal renin-angiotensin system. Intrarenal All increases to an extent in All-dependent hypertension that cannot be explained by the plasma All equilibration alone, and two mechanisms, an increase in intracellular uptake of All and an increase in intrarenal expression of angiotensinogen, have been proposed to explain it.

Antigen : Recombinant protein of human angiotensinogen

Source : Mouse-Mouse hybridoma

Clone : 104AT 601.2.80 **Subclass** : IgG₁

Purification : Affinity purified with Protein A

Form : Lyophilized product from PBS containing 1 % BSA and 0.05 % NaN₃

How to use : 0.1 mL deionized water will be added to the product, then its concentration comes to 100 µg/mL

Stability : Lyophilized product, 5 years at 2 - 8 °C
: Solution, 2 years at -20 °C

Application : This antibody can be used for western blotting in concentration of about 2 µg/mL

Specificity : Recognizes the C-terminus of human angiotensinogen (394-485 aa).

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