

AGT Monoclonal Antibody

Catalog No. E-AB-27025

Note: Centrifuge before opening to ensure complete recovery of vial contents.

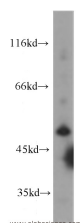
Description

Reactivity	Human
Immunogen	Fusion protein of Angiotensinogen
Host	Mouse
Isotype	IgG2b
Clone	Clone:100
Purification	Protein A purification
Conjugation	Unconjugated
Buffer	PBS with 0.1% sodium azide, 50% glycerol, PH7.3

Applications Recommended Dilution

WB 1:500-1:5000,
IHC 1:20-1:200

Data



Western Blot analysis of HepG2 cells using AGT Monoclonal Antibody at dilution of 1:1000
Observed Mw:52kDa
Calculated Mw:485aa, 53kDa

Preparation & Storage

Storage Store at -20°C. Avoid freeze / thaw cycles.

Background

Angiotensinogen is a precursor of angiotensin II (Ang II), is expressed and synthesized largely in the liver and is cleaved by the enzyme renin in response to lowered blood pressure. It has a key role in mediating vascular constriction and regulating salt and fluid homeostasis. The resulting product, angiotensin I, is then cleaved by angiotensin converting enzyme (ACE) to generate the physiologically active enzyme angiotensin II. 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.

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