

For Research Use Only

# CoraLite®594-conjugated Angiotensinogen/AGT Monoclonal antibody

Catalog Number: CL594-68020



## Basic Information

<b>Catalog Number:</b> CL594-68020	<b>GenBank Accession Number:</b> BC011519	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 183	<b>CloneNo.:</b> 1B2F5
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P01019	<b>Excitation/Emission maxima wavelengths:</b> 588 nm / 604 nm
<b>Isotype:</b> IgG2b	<b>Full Name:</b> angiotensinogen (serpin peptidase inhibitor, clade A, member 8)	
<b>Immunogen Catalog Number:</b> AG16658	<b>Calculated MW:</b> 485 aa, 53 kDa	
	<b>Observed MW:</b> 52 kDa	

## Applications

**Tested Applications:**  
**Species Specificity:**  
human, pig

## Background Information

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 also have been associated with non-familial structural atrial fibrillation, and inflammatory bowel disease.

## Storage

**Storage:**  
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.  
**Aliquoting is unnecessary for -20°C storage**

For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

---

## Selected Validation Data