

For Research Use Only

Angiotensinogen/AGT Monoclonal antibody

Catalog Number: 60126-1-Ig **1 Publications**



Basic Information

Catalog Number: 60126-1-Ig	GenBank Accession Number: BC011519	Purification Method: Protein A purification
Size: 150ul , Concentration: 1200 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 183	CloneNo.: 2H2A10
Source: Mouse	UNIPROT ID: P01019	
Isotype: IgG2b	Full Name: angiotensinogen (serpin peptidase inhibitor, clade A, member 8)	
Immunogen Catalog Number: AG2632	Calculated MW: 485 aa, 53 kDa	
	Observed MW: 52 kDa	

Applications

Tested Applications:
ELISA

Species Specificity:
human

Cited Species:
human

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

Notable Publications

Author	Pubmed ID	Journal	Application
Min-Hua Tseng	33916187	Cells	

Storage

Storage:
Store at -20°C. Stable for one year after shipment.

Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

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)
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Selected Validation Data