

Angiotensinogen/AGT Recombinant monoclonal antibody

Catalog Number: 86729-1-RR

Basic Information

Catalog Number: 86729-1-RR	GenBank Accession Number: NM_000029.4	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 183	CloneNo.: 251419A5
Isotype: IgG	UNIPROT ID: P01019	Recommended Dilutions: WB: 1:1000-1:5000
Immunogen Catalog Number: EG3099	Full Name: angiotensinogen (serpin peptidase inhibitor, clade A, member 8)	
	Calculated MW: 52 kDa	
	Observed MW: 53 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : human plasma, HepG2 cells
Species Specificity: 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 also have been associated with non-familial structural atrial fibrillation, and inflammatory bowel disease.

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

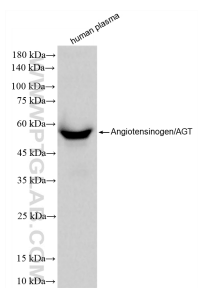
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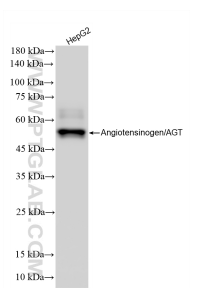
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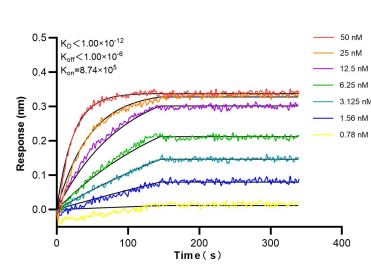
Selected Validation Data



human plasma were subjected to SDS PAGE followed by western blot with 86729-1-RR (Angiotensinogen/AGT antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



HepG2 cells were subjected to SDS PAGE followed by western blot with 86729-1-RR (Angiotensinogen/AGT antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 86729-1-RR against Human CLEC5A were performed. The affinity constant is below 1 pM.