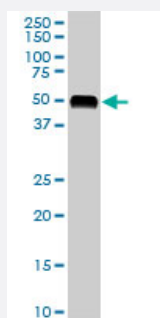


AGT monoclonal antibody (M01), clone 1A10

Catalog # H00000183-M01

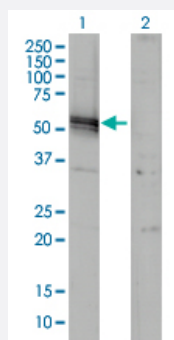
Size 100 ug

Applications



Western Blot (Cell lysate)

AGT monoclonal antibody (M01), clone 1A10 Western Blot analysis of AGT expression in HepG2 (Cat # L019V1).

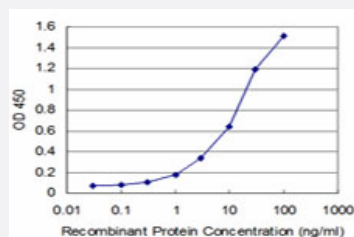


Western Blot (Transfected lysate)

Western Blot analysis of AGT expression in transfected 293T cell line by AGT monoclonal antibody (M01), clone 1A10.

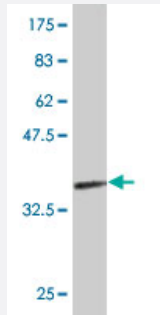
Lane 1: AGT transfected lysate(53 KDa).

Lane 2: Non-transfected lysate.



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged AGT is approximately 1ng/ml as a capture antibody.



Western Blot detection against Immunogen (37.73 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant AGT.
Immunogen	AGT (AAH11519, 376 a.a. ~ 485 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	TIHLTMPQLVLQGSYDLQDLLAQAEIPAILHTELNLQKLSNDRIRVGEVLNSIFFEADEREPTTEST QQLNKPEVLEVTLNRPFLFAVYDQSATALHFLGRVANPLSTA
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Rat (62)
Isotype	IgG1 lambda
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.73 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

AGT monoclonal antibody (M01), clone 1A10 Western Blot analysis of AGT expression in HepG2 (Cat # L019V1).

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of AGT expression in transfected 293T cell line by AGT monoclonal antibody (M01), clone 1A10.

Lane 1: AGT transfected lysate(53 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged AGT is approximately 1ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — AGT

Entrez GeneID

[183](#)

GeneBank Accession#

[BC011519](#)

Protein Accession#

[AAH11519](#)

Gene Name

AGT

Gene Alias

ANHU, FLJ92595, FLJ97926, SERPINA8

Gene Description

angiotensinogen (serpin peptidase inhibitor, clade A, member 8)

Omim ID

[106150](#) [145500](#) [267430](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

The protein encoded by this gene, pre-angiotensinogen or angiotensinogen precursor, is expressed in the liver and is cleaved by the enzyme renin in response to lowered blood pressure. The resulting product, angiotensin I, is then cleaved by angiotensin converting enzyme (ACE) to generate the physiologically active enzyme angiotensin II. The protein is involved in maintaining blood pressure and in the pathogenesis of essential hypertension and preeclampsia. 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. [provided by RefSeq]

Other Designations

OTTHUMP00000035878|alpha-1 antiproteinase, antitrypsin|angiotensin I|angiotensin II|angiotensinogen|pre-angiotensinogen|serine (or cysteine) proteinase inhibitor

Publication Reference

- [A haplotype of human angiotensinogen gene containing -217A increases blood pressure in transgenic mice as compared to -217G.](#)

Jain S, Vinukonda G, Fiering SN, Kumar A.

American Journal of Physiology. Regulatory, Integrative and Comparative Physiology 2008 Oct; 295(6):R1849.

Application: WB, Mouse, Mouse plasma

- [HNF-1 alpha plays an important role in IL-6 induced expression of the Human Angiotensinogen Gene.](#)

Jain S, Li Y, Patil S, Kumar A.

American Journal of Physiology. Cell Physiology 2007 May; 293(1):C401.

Application: WB, Human, Hep 3B2.1-7 (Hep 3B, Hep-3B, Hep3B)

Pathway

- [Hypertrophic cardiomyopathy \(HCM\)](#)
- [Renin-angiotensin system](#)
- [Vascular smooth muscle contraction](#)

Disease

- [Abortion](#)
- [Abruptio Placentae](#)
- [Acromegaly](#)
- [Acute Disease](#)
- [Adenocarcinoma](#)
- [Aggressive Periodontitis](#)
- [Albuminuria](#)
- [Alcoholism](#)

- [Altitude Sickness](#)
- [Alzheimer disease](#)
- [Amyotrophic lateral sclerosis](#)
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- [Aneurysm](#)
- [Angina](#)
- [Angina Pectoris](#)
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- [Arrhythmias](#)
- [Arteriosclerosis](#)
- [Atherosclerosis](#)
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- [Attention Deficit Disorder with Hyperactivity](#)
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- [Cerebral Infarction](#)
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- [Constriction](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Coronary Restenosis](#)
- [Coronary Stenosis](#)
- [Coronary Thrombosis](#)
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- [Death](#)
- [Dementia](#)

- [Depressive Disorder](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Diabetic Angiopathies](#)
- [Diabetic Nephropathies](#)
- [Diabetic Neuropathies](#)
- [Diabetic Retinopathy](#)
- [Discrimination \(Psychology\)](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [DNA Damage](#)
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- [Eclampsia](#)
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- [Hyperlipoproteinemia Type II](#)
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- [Hypertriglyceridemia](#)
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- [Ovarian Failure](#)
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- [Peripheral Vascular Diseases](#)
- [Placenta Diseases](#)
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- [Polycystic kidney disease](#)
- [Polycystic Kidney Diseases](#)
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- [Renal Insufficiency](#)
- [Respiratory Distress Syndrome](#)
- [Retinal Artery Occlusion](#)
- [Retinal Diseases](#)
- [Rheumatic Heart Disease](#)
- [Rhinitis](#)
- [Sleep Apnea](#)
- [Stomach Neoplasms](#)
- [Stress](#)
- [Stroke](#)
- [Substance-Related Disorders](#)
- [Syncope](#)
- [Syndrome](#)
- [Taste](#)
- [Thrombophilia](#)
- [Thrombosis](#)
- [Tobacco Use Disorder](#)
- [Uremia](#)
- [Ureteral Obstruction](#)
- [Urinary Tract Infections](#)
- [Vascular Diseases](#)
- [Venous Thrombosis](#)
- [Ventricular Dysfunction](#)
- [Vesico-Ureteral Reflux](#)

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- [Werner syndrome](#)