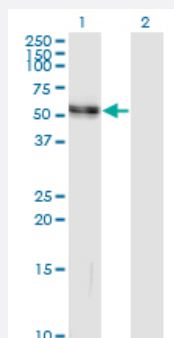


AGT monoclonal antibody (M04), clone 3C10

Catalog # H00000183-M04

Size 100 ug

Applications

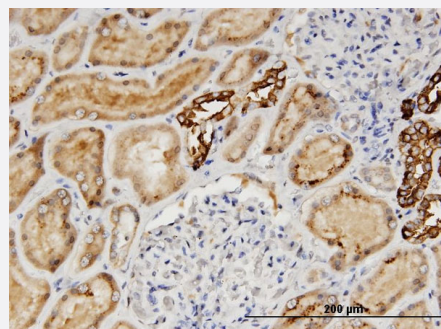


Western Blot (Transfected lysate)

Western Blot analysis of AGT expression in transfected 293T cell line by AGT monoclonal antibody (M04), clone 3C10.

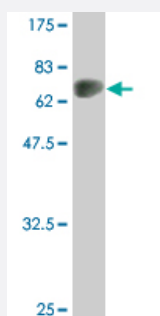
Lane 1: AGT transfected lysate (Predicted MW: 53.1 KDa).

Lane 2: Non-transfected lysate.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to AGT on formalin-fixed paraffin-embedded human kidney. [antibody concentration 3 ug/ml]



Western Blot detection against Immunogen (79.09 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a full-length recombinant AGT.

Immunogen	AGT (AAH11519, 1 a.a. ~ 485 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MRKRAPQSEMAPAGVSLRATILCLLAWAGLAAGDRVYIHPFHLVIHNESTCEQLAKANAGKPKDP TFIPAPIQAKTSPVDEKALQDQLVLVAAKLDTEKLRAMVGMLANFLGFRIYGMHSELWGVVHG ATVLSPTAVFGTLASLYLGALDHTADRLQAILGVPWKDKNCTSRDLAHKVLQAVQGGLLVAQG RADSQAQLLLSTVVGVTAPGLHLKQPFVQGLALYTPVVLPRSLDFTELDVAAEKIDRFMQAVTG WKTGCSLTGASVDSTLAFNTYVHFQGKMKGFSLLAEPQEFWVDNSTSVSPMLSGMGTFQHW SDIQDNFSVTQVSFTESACLLLIQPHYASDLKVEGLTFQQNSLNWMKKLSPRTIHLTMPQLVLQG SYDLQDLLAQAEPLAILHTELNLQKLSNDRIRVGEVLNSIFFELEADEREPTSTQQLNKPEVLEVT LNRPFLFAVYDQSATALHFLGRVANPLSTA
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Rat (64)
Isotype	IgG3 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (79.09 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 (Transfected lysate)

Western Blot analysis of AGT expression in transfected 293T cell line by AGT monoclonal antibody (M04), clone 3C10.

Lane 1: AGT transfected lysate (Predicted MW: 53.1 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to AGT on formalin-fixed paraffin-embedded human kidney. [antibody concentration 3 ug/ml]

[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 angiotensinogen angiotensinogen precursor serine (or cysteine) proteinase inhibitor

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](#)
- [Anaphylaxis](#)
- [Anemia](#)
- [Aneurysm](#)
- [Angina](#)
- [Angina Pectoris](#)
- [Aortic Aneurysm](#)
- [Arrhythmias](#)
- [Arteriosclerosis](#)
- [Atherosclerosis](#)
- [Atrial Fibrillation](#)
- [Attention](#)
- [Attention Deficit Disorder with Hyperactivity](#)
- [Bipolar Disorder](#)
- [Birth Weight](#)
- [Body Weight](#)
- [Brain Infarction](#)

- [Brain Injuries](#)
- [Brain Ischemia](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Calcinosis](#)
- [Carcinoma](#)
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- [Cardiomyopathies](#)
- [Cardiomyopathy](#)
- [Cardiovascular Diseases](#)
- [Carotid Artery Diseases](#)
- [Carotid Stenosis](#)
- [Cerebral Arterial Diseases](#)
- [Cerebral Hemorrhage](#)
- [Cerebral Infarction](#)
- [Cerebral Palsy](#)
- [Cerebrovascular Accident](#)
- [Cerebrovascular Disorders](#)
- [Chorioamnionitis](#)
- [Chromosome Deletion](#)
- [Chronic Disease](#)
- [Chronic Periodontitis](#)
- [Cognition Disorders](#)
- [Connective Tissue Diseases](#)
- [Constriction](#)
- [Coronary Artery Disease](#)

- [Coronary Disease](#)
- [Coronary Restenosis](#)
- [Coronary Stenosis](#)
- [Coronary Thrombosis](#)
- [Creativeness](#)
- [Death](#)
- [Dementia](#)
- [Depressive Disorder](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Diabetic Angiopathies](#)
- [Diabetic Nephropathies](#)
- [Diabetic Neuropathies](#)
- [Diabetic Retinopathy](#)
- [Discrimination \(Psychology\)](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [DNA Damage](#)
- [Dyslipidemias](#)
- [Eclampsia](#)
- [Edema](#)
- [Emergencies](#)
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- [Fatty Liver](#)
- [Fetal Growth Retardation](#)
- [Fetal Membranes](#)

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- [Hemolytic-Uremic Syndrome](#)
- [Hemorrhage](#)
- [Hepatitis B](#)
- [Hepatitis C](#)
- [Hereditary hemochromatosis](#)
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- [Hydronephrosis](#)
- [Hyperaldosteronism](#)
- [Hypercholesterolemia](#)
- [Hyperkalemia](#)
- [Hyperlipidemias](#)
- [Hyperlipoproteinemia Type I](#)
- [Hyperlipoproteinemia Type II](#)
- [Hypertension](#)
- [Hypertriglyceridemia](#)

- [Hypertrophy](#)
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- [Idiopathic Pulmonary Fibrosis](#)
- [Inflammation](#)
- [Insulin Resistance](#)
- [Intracranial Arteriosclerosis](#)
- [Kidney Diseases](#)
- [Kidney Failure](#)
- [Kidney Neoplasms](#)
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- [Liver Diseases](#)
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- [Lupus Nephritis](#)
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- [Marfan syndrome](#)
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- [Mental Disorders](#)
- [Metabolic Syndrome X](#)
- [Migraine Disorders](#)
- [Mitral Valve Insufficiency](#)
- [Mitral Valve Prolapse](#)
- [Mouth Neoplasms](#)

- [Multicystic Dysplastic Kidney](#)
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- [Myocardial Ischemia](#)
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- [Nephritis](#)
- [Nephrotic Syndrome](#)
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- [Neurotic Disorders](#)
- [Obesity](#)
- [Obstetric Labor](#)
- [Osteoporosis](#)
- [Otosclerosis](#)
- [Ovarian Failure](#)
- [Panic Disorder](#)
- [Peripheral Vascular Diseases](#)
- [Placenta Diseases](#)
- [Polycystic Kidney](#)
- [Polycystic kidney disease](#)
- [Polycystic Kidney Diseases](#)
- [Polycystic Ovary Syndrome](#)
- [Polycythemia](#)
- [Postoperative Complications](#)
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- [Premature Birth](#)
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- [Psychiatric Status Rating Scales](#)
- [Psychomotor Performance](#)
- [Puberty](#)
- [Pulmonary Disease](#)
- [Purpura](#)
- [Recurrence](#)
- [Renal Artery Obstruction](#)
- [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](#)
- [Weight Loss](#)
- [Werner syndrome](#)