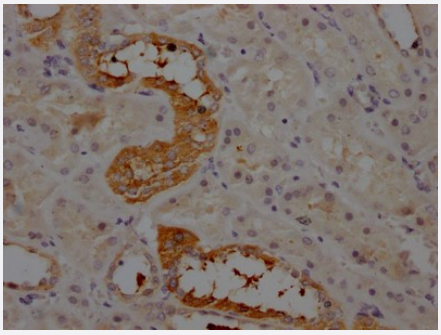
RecomAb™ Sm Size

AGT recombinant monoclonal antibody, clone 8A9

Catalog # RAB08026 Size 50 uL

Applications



Immunohistochemistry

Immunohistochemistry image of AGT recombinant monoclonal antibody, clone 8A9 diluted at 1:100 and staining in paraffin-embedded human kidney tissue performed on a Leica Bond™ system.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human AGT.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant protein corresponding to full length human AGT.
Reactivity	Human
Form	Liquid
Preparation Method	Mammalian cell (HEK293) expression system
Purification	Affinity-chromatography
Isotype	IgG
Recommend Usage	ELISA Immunohistochemistry (1:50-1:200) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.4 (150mM NaCl, 50% glycerol and 0.02% sodium azide)

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Storage Instruction	store at -20 °C or -80 °C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry

  Immunohistochemistry image of AGT recombinant monoclonal antibody, clone 8A9 diluted at 1:100 and staining in paraffin-embedded human kidney tissue performed on a Leica Bond™ system.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — AGT

Entrez GeneID	183
Protein Accession#	P01019
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 express ed in the liver and is cleaved by the enzyme renin in response to lowered blood pressure. The res ulting 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 press ure and in the pathogenesis of essential hypertension and preeclampsia. Mutations in this gene a re associated with susceptibility to essential hypertension, and can cause renal tubular dysgenesi s, a severe disorder of renal tubular development. Defects in this gene have also been associate d with non-familial structural atrial fibrillation, and inflammatory bowel disease. [provided by RefSe q
Other Designations	OTTHUMP00000035878|alpha-1 antiproteinase, antitrypsin|angiotensin I|angiotensin II|angiotensi nogen|pre-angiotensinogen|serine (or cysteine) proteinase inhibitor

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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

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- 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
- Cardiomegaly
- Cardiomyopathies
- Cardiomyopathy
- Cardiovascular Diseases
- Carotid Artery Diseases
- Carotid Stenosis
- Cerebral Arterial Diseases
- Cerebral Hemorrhage
- Cerebral Infarction
- Cerebral Palsy
- Cerebrovascular Accident

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- 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

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- DNA Damage
- Dyslipidemias
- Eclampsia
- Edema
- Emergencies
- Esophageal and Gastric Varices
- Fatty Liver
- Fetal Growth Retardation
- Fetal Membranes
- Fibromuscular Dysplasia
- Fibrosis
- Genetic Predisposition to Disease
- Glaucoma
- Glomerulonephritis
- Glucose Intolerance
- Hearing Loss
- Heart Defects
- Heart Failure
- Helicobacter Infections
- Hemochromatosis
- Hemolytic-Uremic Syndrome
- Hemorrhage
- Hepatitis B
- Hepatitis C
- Hereditary hemochromatosis
- Hernia

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- Hydronephrosis
- Hyperaldosteronism
- Hypercholesterolemia
- Hyperkalemia
- Hyperlipidemias
- Hyperlipoproteinemia Type I
- Hyperlipoproteinemia Type II
- Hypertension
- Hypertriglyceridemia
- Hypertrophy
- Hypoglycemia
- Idiopathic Pulmonary Fibrosis
- Inflammation
- Insulin Resistance
- Intracranial Arteriosclerosis
- Kidney Diseases
- Kidney Failure
- Kidney Neoplasms
- Leukoaraiosis
- Liver Cirrhosis
- Liver Diseases
- Long QT syndrome
- Lung Neoplasms
- Lupus Erythematosus
- Lupus Nephritis
- Macular Degeneration

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- Marfan syndrome
- Meningococcal Infections
- Mental Disorders
- Metabolic Syndrome X
- Migraine Disorders
- Mitral Valve Insufficiency
- Mitral Valve Prolapse
- Mouth Neoplasms
- Multicystic Dysplastic Kidney
- Myocardial Infarction
- Myocardial Ischemia
- Neoplasms
- Nephritis
- Nephrotic Syndrome
- Neuropsychological Tests
- Neurotic Disorders
- Obesity
- Obstetric Labor
- Osteoporosis
- Otosclerosis
- Ovarian Failure
- Panic Disorder
- Peripheral Vascular Diseases
- Placenta Diseases
- Polycystic Kidney
- Polycystic kidney disease

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- Polycystic Kidney Diseases
- Polycystic Ovary Syndrome
- Polycythemia
- Postoperative Complications
- Pre-Eclampsia
- Pregnancy Complications
- Premature Birth
- Prostate cancer
- Prostatic Neoplasms
- Proteinuria
- 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

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- 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

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