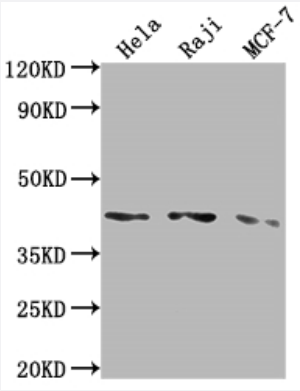
RecomAb™ Sm Size

AGTR1 recombinant monoclonal antibody, clone 4A9

Catalog # RAB08114 Size 50 uL

Applications



Western Blot

Western Blot analysis of
Lane 1: Hela whole cell lysate;
Lane 2: Raji whole cell lysate;
Lane 3: MCF-7 whole cell lysate.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human AGTR1.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant protein corresponding to full length human AGTR1.
Reactivity	Human
Form	Liquid
Preparation Method	Mammalian cell (HEK293) expression system
Purification	Affinity-chromatography
Isotype	IgG
Recommend Usage	ELISA Western Blot (1:500-1:5000) The optimal working dilution should be determined by the end user.

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Storage Buffer	In PBS, pH7.4 (150mM NaCl, 50% glycerol and 0.02% sodium azide)
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

- Enzyme-linked Immunoabsorbent Assay
- Western Blot

  Western Blot analysis of
  Lane 1: Hela whole cell lysate;
  Lane 2: Raji whole cell lysate;
  Lane 3: MCF-7 whole cell lysate.

Gene Info — AGTR1

Entrez GeneID	185
Protein Accession#	P30556
Gene Name	AGTR1
Gene Alias	AG2S, AGTR1A, AGTR1B, AT1, AT1B, AT1R, AT2R1, AT2R1A, AT2R1B, HAT1R
Gene Description	angiotensin II receptor, type 1
Omim ID	106165 145500 267430
Gene Ontology	Hyperlink
Gene Summary	Angiotensin II is a potent vasopressor hormone and a primary regulator of aldosterone secretion. I t is an important effector controlling blood pressure and volume in the cardiovascular system. It act s through at least two types of receptors. This gene encodes the type 1 receptor which is thought t o mediate the major cardiovascular effects of angiotensin II. This gene may play a role in the gene ration of reperfusion arrhythmias following restoration of blood flow to ischemic or infarcted myoca rdium. It was previously thought that a related gene, denoted as AGTR1B, existed; however, it is n ow believed that there is only one type 1 receptor gene in humans. At least five transcript variants have been described for this gene. Additional variants have been described but their full-length na ture has not been determined. The entire coding sequence is contained in the terminal exon and i s present in all transcript variants. [provided by RefSeq
Other Designations	angiotensin receptor 1|angiotensin receptor 1B|type-1B angiotensin II receptor

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Pathway

- Calcium signaling pathway
- Neuroactive ligand-receptor interaction
- Renin-angiotensin system
- Vascular smooth muscle contraction

Disease

- Abortion
- Acute Disease
- Aggressive Periodontitis
- Albuminuria
- Alcoholism
- Altitude Sickness
- Alzheimer disease
- Amyotrophic lateral sclerosis
- Angina
- Angina Pectoris
- Aortic Aneurysm
- Arrhythmias
- Arteriosclerosis
- Atherosclerosis
- Atrial Fibrillation
- Body Weight
- Brain Infarction

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- Brain Injuries
- Brain Ischemia
- Breast cancer
- Breast Neoplasms
- Calcinosis
- Cardiac Output
- Cardiomyopathies
- Cardiomyopathy
- Cardiovascular Diseases
- Carotid Artery Diseases
- Cerebral Arterial Diseases
- Cerebral Hemorrhage
- Cerebral Infarction
- Cerebral Palsy
- Cerebrovascular Accident
- Cerebrovascular Disorders
- Chorioamnionitis
- Chromosome Deletion
- Chronic Disease
- Chronic Periodontitis
- Cicatrix
- Cognition Disorders
- Connective Tissue Diseases
- Constriction
- Convalescence
- Coronary Artery Disease

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- Coronary Disease
- Coronary Restenosis
- Coronary Stenosis
- Coronary Thrombosis
- Cough
- Death
- Dementia
- Depressive Disorder
- Diabetes Complications
- Diabetes Mellitus
- Diabetic Angiopathies
- Diabetic Nephropathies
- Diabetic Neuropathies
- Diabetic Retinopathy
- Disease Progression
- Disease Susceptibility
- Ductus Arteriosus
- Dyslipidemias
- Edema
- Emergencies
- Esophageal and Gastric Varices
- Fatty Liver
- Fetal Death
- Fetal Membranes
- Fibromuscular Dysplasia
- Fibrosis

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- Genetic Predisposition to Disease
- Glaucoma
- Glomerulonephritis
- Glomerulosclerosis
- Glucose Intolerance
- Heart Defects
- Heart Diseases
- Heart Failure
- Hemolytic-Uremic Syndrome
- Hepatitis B
- Hepatitis C
- Hernia
- Hypercholesterolemia
- Hyperhomocysteinemia
- Hyperlipidemias
- Hyperlipoproteinemia Type I
- Hyperlipoproteinemia Type II
- Hypertension
- Hypertrophy
- Hypoglycemia
- Hypotension
- Inflammation
- Insulin Resistance
- Kidney Diseases
- Kidney Failure
- Kidney Neoplasms

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- Liver Cirrhosis
- Long QT syndrome
- Lupus Erythematosus
- Lupus Nephritis
- Meningococcal Infections
- Mental Disorders
- Mental Status Schedule
- Metabolic Diseases
- Metabolic Syndrome X
- Migraine Disorders
- Mitral Valve Prolapse
- Mucocutaneous Lymph Node Syndrome
- Myocardial Infarction
- Myocardial Ischemia
- Neoplasms
- Nephritis
- Nephrotic Syndrome
- Neuropsychological Tests
- Obesity
- Obstetric Labor
- Osteoporosis
- Otosclerosis
- Panic Disorder
- Polycystic Kidney
- Polycystic kidney disease
- Polycystic Kidney Diseases

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- Polycythemia
- Postoperative Complications
- Pre-Eclampsia
- Pregnancy Complications
- Premature Birth
- Prostatic Hyperplasia
- Prostatic Neoplasms
- Proteinuria
- Psychiatric Status Rating Scales
- Puberty
- Pulmonary Edema
- Purpura
- Recurrence
- Renal Artery Obstruction
- Renal Insufficiency
- Retinal Artery Occlusion
- Retinal Diseases
- Rheumatic Heart Disease
- Sarcoidosis
- Stroke
- Subacute Sclerosing Panencephalitis
- Syncope
- Syndrome
- Thrombophilia
- Thrombosis

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- Tuberculosis
- Uremia
- Urinary Tract Infections
- Vascular Diseases
- Ventricular Dysfunction
- Vesico-Ureteral Reflux
- Werner syndrome

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