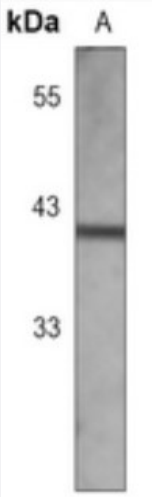
RecomAb™ Sm Size

AT1 recombinant monoclonal antibody

Catalog # RAB09081 Size 50 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of HepG2 (A) whole cell lysates with AT1 recombinant monoclonal antibody (Cat # RAB09081).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against recombinant AT1.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide of human Angiotensin II Type 1 Receptor.
Theoretical MW (kDa)	41
Reactivity	Human
Specificity	Recognizes endogenous levels of AT1 protein.
Form	Liquid
Preparation Method	Mammalian cell (HEK293) expression system
Purification	Immunogen affinity chromatography

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Isotype	IgG
Recommend Usage	Western Blot (1:500-1:1000)
Storage Buffer	In 50mM Tris-Glycine, pH 7.4 (0.15M NaCl, 50% Glycerol, 0.01% Sodium azide and 0.05% BSA)
Storage Instruction	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

  Western blot analysis of HepG2 (A) whole cell lysates with AT1 recombinant monoclonal antibody (Cat # RAB09081).

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
- Brain Injuries

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- 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
- Coronary Disease

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- 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
- Tuberculosis

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

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