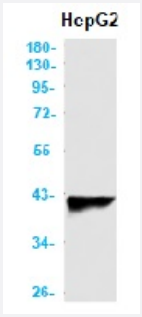
RecomAb™

AGTR1 recombinant monoclonal antibody, clone R07-1I6

Catalog # RAB01733 Size 100 uL

Applications



Western Blot

Western blot analysis of Angiotensin II Type 1 Receptor in HepG2 lysates using human Angiotensin II Type 1 Receptor recombinant monoclonal antibody, clone R07-1I6 (Cat # RAB01733).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against synthetic peptide of human Angiotensin II Type 1 Receptor.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human Angiotensin II Type 1 Receptor
Theoretical MW (kDa)	Calculated MW: 41 kD
Reactivity	Human
Form	Liquid
Preparation Method	Mammalian cell (CHO) expression system
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Western Blot (1:500-1:1,000) The optimal working dilution should be determined by the end user.

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Storage Buffer	In 50 mM Tris-Glycine pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA).
Storage Instruction	Store at 4°C for short term. For long term storage store at -20°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

- Western Blot

  Western blot analysis of Angiotensin II Type 1 Receptor in HepG2 lysates using human Angiotensin II Type 1 Receptor recombinant monoclonal antibody, clone R07-1I6 (Cat # RAB01733).

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

Pathway

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- 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
- Brain Ischemia
- Breast cancer

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- 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
- Coronary Restenosis
- Coronary Stenosis

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- 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
- Genetic Predisposition to Disease
- Glaucoma
- Glomerulonephritis

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- 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
- Liver Cirrhosis
- Long QT syndrome
- Lupus Erythematosus

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- 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
- Polycythemia
- Postoperative Complications

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- 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
- Uremia
- Urinary Tract Infections

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- Vascular Diseases
- Ventricular Dysfunction
- Vesico-Ureteral Reflux
- Werner syndrome

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