

AGTR1 rabbit monoclonal antibody

Catalog # H00000185-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human AGTR1 peptide using ARM Technology.
Immunogen	A synthetic peptide of human AGTR1 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human AGTR1 peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — AGTR1

Entrez GeneID	185
GeneBank Accession#	AGTR1
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. It is an important effector controlling blood pressure and volume in the cardiovascular system. It acts through at least two types of receptors. This gene encodes the type 1 receptor which is thought to mediate the major cardiovascular effects of angiotensin II. This gene may play a role in the generation of reperfusion arrhythmias following restoration of blood flow to ischemic or infarcted myocardium. It was previously thought that a related gene, denoted as AGTR1B, existed; however, it is now 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 nature has not been determined. The entire coding sequence is contained in the terminal exon and is present in all transcript variants. [provided by RefSeq]
Other Designations	angiotensin receptor 1 angiotensin receptor 1B type-1B angiotensin II receptor

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](#)
- [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](#)
- [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](#)
- [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](#)
- [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](#)
- [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](#)
- [Uremia](#)
- [Urinary Tract Infections](#)
- [Vascular Diseases](#)
- [Ventricular Dysfunction](#)
- [Vesico-Ureteral Reflux](#)
- [Werner syndrome](#)