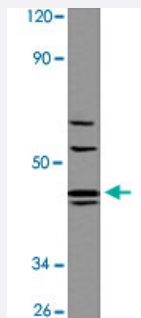


AGTR1 polyclonal antibody

Catalog # PAB24974 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of A-549 cell lysate with AGTR1 polyclonal antibody (Cat # PAB24974) at 1:500 dilution.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of AGTR1.
Immunogen	A synthetic peptide corresponding to amino acids 150-200 of human AGTR1.
Host	Rabbit
Theoretical MW (kDa)	~43.0
Reactivity	Human, Mouse, Rat
Specificity	AGTR1 polyclonal antibody detects endogenous levels of AGTR1 protein.
Form	Liquid
Purification	Antigen affinity purification
Recommend Usage	Western Blot (1:500-1:1000) Immunohistochemistry (1:50-1:200) Immunofluorescence (1:50-1:200) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (0.09% sodium azide)

Storage Instruction

Store at 4°C. 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 should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of A-549 cell lysate with AGTR1 polyclonal antibody (Cat # PAB24974) at 1:500 dilution.

- Immunohistochemistry

- Immunofluorescence

Gene Info — AGTR1

Entrez GeneID[185](#)**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](#)