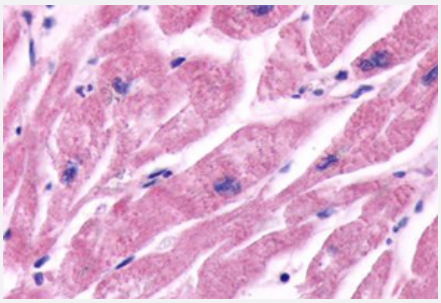
ADRB2 polyclonal antibody

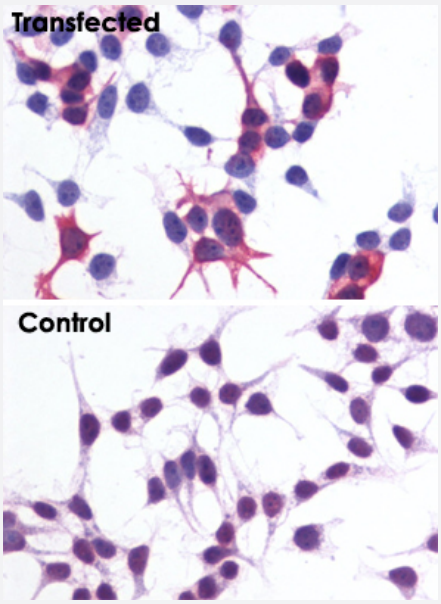
Catalog # PAB25515 Size 50 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of formalin-fixed, paraffin-embedded human heart, cardiac myocytes tissue after heat-induced antigen retrieval. Using ADRB2 polyclonal antibody (Cat # PAB25515).



Immunocytochemistry

Immunocytochemistry staining of ADRB2 gene transfected HEK293 cells with ADRB2 polyclonal antibody (Cat # PAB25515).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of ADRB2.
Immunogen	A synthetic peptide corresponding to 18 amino acids at C-terminus of human ADRB2.
Host	Rabbit

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Reactivity	Human
Specificity	BLAST analysis of the peptide immunogen showed no homology with other human proteins.
Form	Liquid
Purification	Immunoaffinity chromatography
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (5 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -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

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemical staining of formalin-fixed, paraffin-embedded human heart, cardiac myocytes tissue after heat-induced antigen retrieval.
  Using ADRB2 polyclonal antibody (Cat # PAB25515).

- Immunocytochemistry

  Immunocytochemistry staining of ADRB2 gene transfected HEK293 cells with ADRB2 polyclonal antibody (Cat # PAB25515).

- Western Blot

Gene Info — ADRB2

Entrez GeneID	154
Gene Name	ADRB2
Gene Alias	ADRB2R, ADRBR, B2AR, BAR, BETA2AR
Gene Description	adrenergic, beta-2-, receptor, surface
Omim ID	109690 600807 601665
Gene Ontology	Hyperlink

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Gene Summary	This gene encodes beta-2-adrenergic receptor which is a member of the G protein-coupled receptor superfamily. This receptor is directly associated with one of its ultimate effectors, the class C L-type calcium channel Ca(V)1.2. This receptor-channel complex also contains a G protein, an adenylyl cyclase, cAMP-dependent kinase, and the counterbalancing phosphatase, PP2A. The assembly of the signaling complex provides a mechanism that ensures specific and rapid signaling by this G protein-coupled receptor. This gene is intronless. Different polymorphic forms, point mutations, and/or downregulation of this gene are associated with nocturnal asthma, obesity and type 2 diabetes. [provided by RefSeq
Other Designations	beta-2 adrenergic receptor|beta-2 adrenoceptor|catecholamine receptor

Pathway

- Calcium signaling pathway
- Endocytosis
- Neuroactive ligand-receptor interaction

Disease

- Acanthosis Nigricans
- Acromegaly
- Acute Disease
- Albuminuria
- Altitude Sickness
- Alzheimer disease
- Amyotrophic lateral sclerosis
- Anemia
- Angina
- Anorexia Nervosa
- Arteriosclerosis
- Arthritis
- Asthma

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- Atherosclerosis
- Atrial Fibrillation
- Attention Deficit Disorder with Hyperactivity
- Autistic Disorder
- Awareness
- Birth Weight
- Body Weight
- Brain Ischemia
- Breast cancer
- Breast Neoplasms
- Bronchial Hyperreactivity
- Bronchiectasis
- Bronchiolitis
- Bulimia
- Calcinosis
- Cardiac Output
- Cardiomegaly
- Cardiomyopathy
- Cardiovascular Diseases
- Cerebral Palsy
- Cerebrovascular Accident
- Chlamydia Infections
- Chorioamnionitis
- Chronic Disease
- Cognition
- Colon cancer

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- Colorectal Neoplasms
- Connective Tissue Diseases
- Constriction
- Coronary Artery Disease
- Coronary Disease
- Coronary Stenosis
- Cough
- Cystic fibrosis
- Cystitis
- Death
- Depressive Disorder
- Diabetes Complications
- Diabetes Mellitus
- Disease Models
- Disease Progression
- Disease Susceptibility
- Diseases in Twins
- Drug Toxicity
- Ductus Arteriosus
- Dyslipidemias
- Edema
- Emergencies
- Eosinophilia
- Fatty Liver
- Fetal Diseases
- Fetal Membranes

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- Fibromyalgia
- Food Hypersensitivity
- Genetic Predisposition to Disease
- Glaucoma
- Glomerulonephritis
- Glucose Intolerance
- Glucose Metabolism Disorders
- Graves Disease
- Graves Ophthalmopathy
- Heart Failure
- HIV Infections
- HIV-Associated Lipodystrophy Syndrome
- Hydrophthalmos
- Hypercholesterolemia
- Hyperinsulinism
- Hyperlipidemias
- Hyperlipoproteinemia Type II
- Hypersensitivity
- Hypertension
- Hypertriglyceridemia
- Hypertrophy
- Hyperuricemia
- Hypoglycemia
- Hypokalemia
- Hypokalemic Periodic Paralysis
- Hypotension

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- Infant
- Infection
- Infertility
- Inflammation
- Insulin Resistance
- Kidney Diseases
- Kidney Failure
- Limb Deformities
- Liver Cirrhosis
- Long QT syndrome
- Low Tension Glaucoma
- Lung Diseases
- Lung Neoplasms
- Lymphoma
- Meningococcal Infections
- Mental Disorders
- Mental Health
- Metabolic Diseases
- Metabolic Syndrome X
- Migraine Disorders
- Multiple Sclerosis
- Musculoskeletal Diseases
- Myocardial Infarction
- Myocardial Ischemia
- Myocardial Stunning
- Nasal Polyps

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- Neoplasms
- Nephrosclerosis
- Neuropsychological Tests
- Obesity
- Obstetric Labor
- Occupational Diseases
- Osteoporosis
- Ovarian Failure
- Overweight
- Pain
- Placenta Diseases
- Pneumonia
- Polycystic Ovary Syndrome
- Pre-Eclampsia
- Pregnancy Complications
- Premature Birth
- Prenatal Exposure Delayed Effects
- Prostatic Neoplasms
- Psychometrics
- Puberty
- Pulmonary Disease
- Pulmonary Edema
- Pulmonary Embolism
- Radius Fractures
- Recurrence

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- Reflex Sympathetic Dystrophy
- Renal Insufficiency
- Respiration Disorders
- Respiratory Distress Syndrome
- Respiratory Hypersensitivity
- Respiratory Sounds
- Respiratory Syncytial Virus Infections
- Rhinitis
- Shock
- Skin Diseases
- Sleep Apnea
- Status Asthmaticus
- Stress
- Stroke
- Subarachnoid Hemorrhage
- Syncope
- Syndrome
- Tachycardia
- Takotsubo Cardiomyopathy
- Task Performance and Analysis
- Temporomandibular Joint Disorders
- Thinness
- Thromboembolism
- Thrombophilia
- Thrombosis
- Tobacco Use Disorder

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- Trachoma
- Tremor
- Urticaria
- Venous Thrombosis
- Ventricular Dysfunction
- Ventricular Fibrillation
- Weight Gain
- Weight Loss
- Werner syndrome
- Wounds and Injuries

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