

ADRB1 polyclonal antibody

Catalog # PAB6975

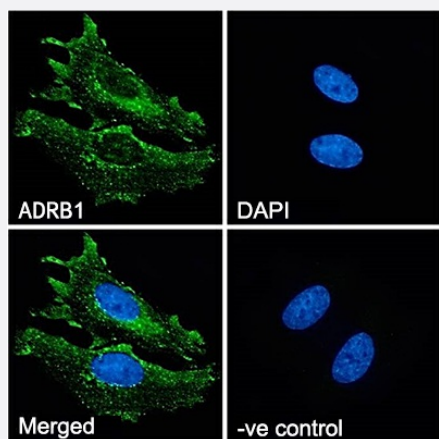
Size 100 ug

Applications



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

ADRB1 polyclonal antibody (Cat # PAB6975) (6 ug/mL) staining of paraffin embedded Human Heart. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.



Immunofluorescence

ADRB1 polyclonal antibody (Cat # PAB6975) Immunofluorescence analysis of paraformaldehyde fixed HeLa cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (2 ug/mL), showing membrane and cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10 ug/mL) followed by Alexa Fluor 488 secondary antibody (2 ug/mL).

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of ADRB1.
Immunogen	A synthetic peptide corresponding to internal region of human ADRB1.
Sequence	ESDEARRCYNDPK
Host	Goat
Theoretical MW (kDa)	51.2

Reactivity	Human, Rat
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Recommend Usage	ELISA (1:2000) Immunofluorescence (10 ug/mL) Immunohistochemistry(6 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	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.

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — ADRB1

Entrez GeneID	153
Protein Accession#	NP_000675.1
Gene Name	ADRB1
Gene Alias	ADRB1R, B1AR, BETA1AR, RHR

Gene Description	adrenergic, beta-1-, receptor
Omim ID	109630 607276
Gene Ontology	Hyperlink
Gene Summary	The adrenergic receptors (subtypes alpha 1, alpha 2, beta 1, and beta 2) are a prototypic family of guanine nucleotide binding regulatory protein-coupled receptors that mediate the physiological effects of the hormone epinephrine and the neurotransmitter norepinephrine. Specific polymorphisms in this gene have been shown to affect the resting heart rate and can be involved in heart failure. [provided by RefSeq]
Other Designations	OTTHUMP00000020519 beta-1-adrenergic receptor

Publication Reference

- [Distinct patterns of autoantibodies against G-protein-coupled receptors in Chagas' cardiomyopathy and megacolon. Their potential impact for early risk assessment in asymptomatic Chagas' patients.](#)

Wallukat G, Munoz Saravia SG, Haberland A, Bartel S, Araujo R, Valda G, Duchon D, Diaz Ramirez I, Borges AC, Schimke I. Journal of the American College of Cardiology 2010 Feb; 55(5):463.

- [Beta1-adrenergic receptors maintain fetal heart rate and survival.](#)

Rashmi Chandra, Andrea L Portbury, Alisa Ray, Margie Ream, Marybeth Groelle, Dona M Chikaraishi. Biology of the Neonate 2006 Oct; 89(3):147.

Pathway

- [Calcium signaling pathway](#)
- [Endocytosis](#)
- [Gap junction](#)
- [Neuroactive ligand-receptor interaction](#)

Disease

- [Alzheimer disease](#)
- [Angina](#)

- [Anorexia Nervosa](#)
- [Arrhythmias](#)
- [Asthma](#)
- [Atrial Fibrillation](#)
- [Attention Deficit Disorder with Hyperactivity](#)
- [Body Weight](#)
- [Bulimia](#)
- [Cadaver](#)
- [Cardiomyopathy](#)
- [Cardiovascular Diseases](#)
- [Chronic Disease](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Death](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Diabetic Angiopathies](#)
- [Diabetic Nephropathies](#)
- [Disease Progression](#)
- [Drug Toxicity](#)
- [Edema](#)
- [Extraversion \(Psychology\)](#)
- [Genetic Predisposition to Disease](#)
- [Glaucoma](#)
- [Heart Failure](#)
- [Hypercholesterolemia](#)

- [Hyperlipidemias](#)
- [Hyperlipoproteinemia Type II](#)
- [Hypertension](#)
- [Hypertrophy](#)
- [Hypotension](#)
- [Insulin Resistance](#)
- [Intraoperative Complications](#)
- [Kidney Failure](#)
- [Long QT syndrome](#)
- [Low Tension Glaucoma](#)
- [Meningococcal Infections](#)
- [Mental Disorders](#)
- [Metabolic Syndrome X](#)
- [Myocardial Infarction](#)
- [Myocardial Ischemia](#)
- [Myocardial Stunning](#)
- [Neoplasms](#)
- [Nephrosclerosis](#)
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- [Subarachnoid Hemorrhage](#)
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- [Ventricular Fibrillation](#)
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