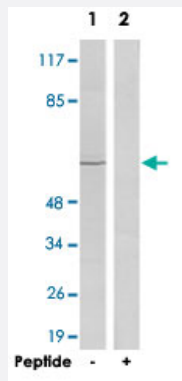


ADRB2 polyclonal antibody

Catalog # PAB18064 Size 100 ug

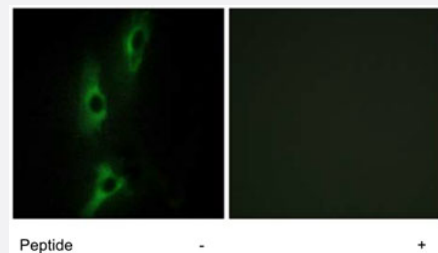
Applications



Western Blot (Cell lysate)

Western blot analysis of extracts from HeLa cells, using ADRB2 polyclonal antibody (Cat # PAB18064).

Peptide "+" means "with peptide blocking".



Immunofluorescence

Immunofluorescence analysis of NIH/3T3 cells, using ADRB2 polyclonal antibody (Cat # PAB18064).

Peptide "+" means "with peptide blocking".

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of ADRB2.
Immunogen	A synthetic peptide corresponding to C-terminus of human ADRB2.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Specificity	This antibody is specific to ADRB2.
Form	Liquid

Recommend Usage	Western Blot (1:500~1:1000) Immunofluorescence (1:500~1:1000) ELISA (1:20000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150mM NaCl, pH 7.4 (50% glycerol, 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.

Applications

- Western Blot (Cell lysate)

Western blot analysis of extracts from HeLa cells, using ADRB2 polyclonal antibody (Cat # PAB18064).
Peptide "+" means "with peptide blocking".

- Immunofluorescence

Immunofluorescence analysis of NIH/3T3 cells, using ADRB2 polyclonal antibody (Cat # PAB18064).
Peptide "+" means "with peptide blocking".

- Enzyme-linked Immunoabsorbent Assay

Gene Info — ADRB2

Entrez GeneID	154
Protein Accession#	P07550
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

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

Publication Reference

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Liao YT, Wang SM, Wang JR, Yu CK, Liu CC.

PloS One 2015 Aug; 10(8):e0135154.

Application: Flow Cyt, IF, Human, A549, RD, SK-N-SH, HL-60, THP-1, Jurkat, hPBMC cells

- [Modulation of postendocytic sorting of G protein-coupled receptors.](#)

Whistler JL, Enquist J, Marley A, Fong J, Gladher F, Tsuruda P, Murray SR, Von Zastrow M.

Science 2002 Jul; 297(5581):615.

- [The palmitoylation state of the beta\(2\)-adrenergic receptor regulates the synergistic action of cyclic AMP-dependent protein kinase and beta-adrenergic receptor kinase involved in its phosphorylation and desensitization.](#)

Moffett S, Rousseau G, Lagace M, Bouvier M.

Journal of Neurochemistry 2001 Jan; 76(1):269.

- [A kinase-regulated PDZ-domain interaction controls endocytic sorting of the beta2-adrenergic receptor.](#)

Cao TT, Deacon HW, Reczek D, Bretscher A, von Zastrow M.

Nature 1999 Sep; 401(6750):286.

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](#)
- [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](#)
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- [Cardiomyopathy](#)
- [Cardiovascular Diseases](#)
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- [Cognition](#)
- [Colon cancer](#)
- [Colorectal Neoplasms](#)
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- [Constriction](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Coronary Stenosis](#)
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- [Cystic fibrosis](#)
- [Cystitis](#)
- [Death](#)
- [Depressive Disorder](#)

- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
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- [Disease Progression](#)
- [Disease Susceptibility](#)
- [Diseases in Twins](#)
- [Drug Toxicity](#)
- [Ductus Arteriosus](#)
- [Dyslipidemias](#)
- [Edema](#)
- [Emergencies](#)
- [Eosinophilia](#)
- [Fatty Liver](#)
- [Fetal Diseases](#)
- [Fetal Membranes](#)
- [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](#)
- [Infant](#)
- [Infection](#)
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- [Insulin Resistance](#)
- [Kidney Diseases](#)
- [Kidney Failure](#)
- [Limb Deformities](#)
- [Liver Cirrhosis](#)
- [Long QT syndrome](#)

- [Low Tension Glaucoma](#)
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- [Placenta Diseases](#)
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- [Pregnancy Complications](#)
- [Premature Birth](#)
- [Prenatal Exposure Delayed Effects](#)
- [Prostatic Neoplasms](#)
- [Psychometrics](#)
- [Puberty](#)
- [Pulmonary Disease](#)
- [Pulmonary Edema](#)
- [Pulmonary Embolism](#)
- [Radius Fractures](#)
- [Recurrence](#)
- [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](#)
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- [Syndrome](#)
- [Tachycardia](#)
- [Takotsubo Cardiomyopathy](#)
- [Task Performance and Analysis](#)
- [Temporomandibular Joint Disorders](#)
- [Thinness](#)
- [Thromboembolism](#)
- [Thrombophilia](#)
- [Thrombosis](#)
- [Tobacco Use Disorder](#)
- [Trachoma](#)
- [Tremor](#)
- [Urticaria](#)
- [Venous Thrombosis](#)
- [Ventricular Dysfunction](#)
- [Ventricular Fibrillation](#)
- [Weight Gain](#)
- [Weight Loss](#)
- [Werner syndrome](#)
- [Wounds and Injuries](#)