

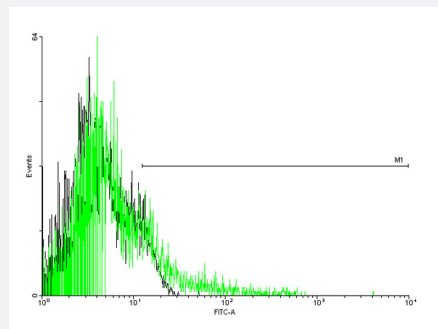
MaxPab®

ADRB2 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00000154-B01P

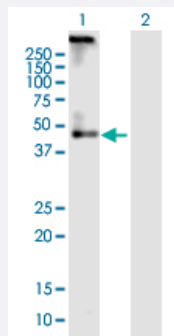
Size 50 ug

Applications



Flow Cytometry

FACS analysis of negative control 293 cells (Black) and ADRB2 expressing 293 cells (Green) using ADRB2 purified MaxPab mouse polyclonal antibody.



Western Blot (Transfected lysate)

Western Blot analysis of ADRB2 expression in transfected 293T cell line ([H00000154-T02](#)) by ADRB2 MaxPab polyclonal antibody.

Lane 1: ADRB2 transfected lysate (45.43 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Mouse polyclonal antibody raised against a full-length human ADRB2 protein.

Immunogen

ADRB2 (NP_000015, 1 a.a. ~ 413 a.a) full-length human protein.

Sequence

MGQPGNGSAFLLAPNRSHAPDHDVTQQRDEVWVVGMGVMSLMVLAIFGNVLVITAIKFERLQT
VTNYFITSACADLVMLAVVPFGAAHILMKMWTFGNFWCEFWTSIDVLCVTASIELTCVIAVDYF
AITSPFKYQSLLTKNKARVILMVWVSGLTSLPIQMHWRATHQEAICYANETCCDFFTQAYAI
SSVSFYVPLVIMVFVYSRVFQEAQRQLQKIDKSEGRFHVQNLQVEQDGRGTGHGLRRSSKFC
LKEHAKTLGLIIMGTFTLCWLPPFVIVNVHVIQDNLIRKEVYLLNWIGYVNSGFNPLYCRSPDFRI
AFQELLCRLRSSLKAYGNGYSSNGNTGEQSGYHVEQEKENKLLCEDLPGTEDFVGHQGTVP
SDNDSQGRNCSTNDSLL

Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (87); Rat (87)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Flow Cytometry

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[Protocol Download](#)

Gene Info — ADRB2

Entrez GeneID	154
GeneBank Accession#	NM_000024
Protein Accession#	NP_000015
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

- [Identification of novel competing \$\beta\$ 2AR phospho-extracellular signal regulated kinase 1/2 signaling pathways in human trabecular meshwork cells.](#)

Hudson BD, Kelly ME.

Journal of Ocular Pharmacology and Therapeutics 2012 Feb; 28(1):17.

Application: IF, Human, Human trabecular meshwork cells

- [Changes and role of adrenoceptors in PC12 cells after phenylephrine administration and apoptosis induction.](#)

Lencesova L, Sirova M, Csaderova L, Laukova M, Sulova Z, Kvetnansky R, Krizanova O.

Neurochemistry International 2010 Dec; 57(8):884.

Application: IF, WB-Ce, Rat, PC-12 cells

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](#)
- [Calcinosis](#)
- [Cardiac Output](#)
- [Cardiomegaly](#)

- [Cardiomyopathy](#)
- [Cardiovascular Diseases](#)
- [Cerebral Palsy](#)
- [Cerebrovascular Accident](#)
- [Chlamydia Infections](#)
- [Chorioamnionitis](#)
- [Chronic Disease](#)
- [Cognition](#)
- [Colon cancer](#)
- [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](#)

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- [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](#)
- [Infertility](#)
- [Inflammation](#)
- [Insulin Resistance](#)
- [Kidney Diseases](#)
- [Kidney Failure](#)
- [Limb Deformities](#)
- [Liver Cirrhosis](#)
- [Long QT syndrome](#)
- [Low Tension Glaucoma](#)
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- [Lung Neoplasms](#)
- [Lymphoma](#)
- [Meningococcal Infections](#)
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- [Mental Health](#)

- [Metabolic Diseases](#)
- [Metabolic Syndrome X](#)
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- [Musculoskeletal Diseases](#)
- [Myocardial Infarction](#)
- [Myocardial Ischemia](#)
- [Myocardial Stunning](#)
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- [Neoplasms](#)
- [Nephrosclerosis](#)
- [Neuropsychological Tests](#)
- [Obesity](#)
- [Obstetric Labor](#)
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- [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](#)
- [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](#)
- [Trachoma](#)
- [Tremor](#)
- [Urticaria](#)
- [Venous Thrombosis](#)
- [Ventricular Dysfunction](#)
- [Ventricular Fibrillation](#)
- [Weight Gain](#)
- [Weight Loss](#)
- [Werner syndrome](#)
- [Wounds and Injuries](#)