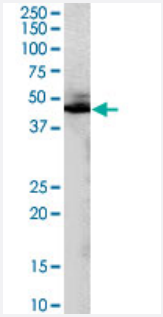
ADRB2 polyclonal antibody

Catalog # PAB6871 Size 100 ug

Applications



Western Blot (Tissue lysate)

ADRB2 polyclonal antibody (Cat # PAB6871) (0.2 ug/mL) staining of human liver lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of ADRB2.
Immunogen	A synthetic peptide corresponding to C-terminus of human ADRB2.
Sequence	C-HQGTVPSDNIDSQ
Host	Goat
Theoretical MW (kDa)	46.6
Reactivity	Bovine, Human
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Recommend Usage	ELISA (1:16000) Western Blot (0.1-0.3 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)

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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 shoul d be handled by trained staff only.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Tissue lysate)

  ADRB2 polyclonal antibody (Cat # PAB6871) (0.2 ug/mL) staining of human liver lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Gene Info — ADRB2

Entrez GeneID	154
Protein Accession#	NP_000015.1
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 rece ptor 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 ad enylyl cyclase, cAMP-dependent kinase, and the counterbalancing phosphatase, PP2A. The asse mbly 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 mutati ons, 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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- Leptin regulation of bone resorption by the sympathetic nervous system and CART.

  Elefteriou F, Ahn JD, Takeda S, Starbuck M, Yang X, Liu X, Kondo H, Richards WG, Bannon TW, Noda M, Clement K, Vaisse C, Karsenty G.

  Nature 2005 Mar; 434(7032):514.

  Application: IHC, Mouse, Osteoblasts

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

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- 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

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- 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
- Fibromyalgia
- Food Hypersensitivity

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- 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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- 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
- Neoplasms
- Nephrosclerosis

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- 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
- Reflex Sympathetic Dystrophy
- Renal Insufficiency
- Respiration Disorders

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- 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

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

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