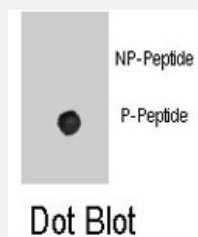


# ADRB2 (phospho S261) polyclonal antibody

Catalog # PAB8156      Size 400 uL

## Applications



### Dot Blot (Peptide)

Dot blot analysis of ADRB2 (phospho S261) polyclonal antibody (Cat # PAB8156) on nitrocellulose membrane. 50 ng of Phospho-peptide or Non Phospho-peptide per dot were adsorbed. Antibody working concentrations are 0.5 ug/mL.

## Specification

|                            |                                                                                                           |
|----------------------------|-----------------------------------------------------------------------------------------------------------|
| <b>Product Description</b> | Rabbit polyclonal antibody raised against synthetic phosphopeptide of ADRB2.                              |
| <b>Immunogen</b>           | Synthetic phosphopeptide (conjugated with KLH) corresponding to residues surrounding S261 of human ADRB2. |
| <b>Host</b>                | Rabbit                                                                                                    |
| <b>Reactivity</b>          | Human                                                                                                     |
| <b>Form</b>                | Liquid                                                                                                    |
| <b>Purification</b>        | Protein A purification                                                                                    |
| <b>Recommend Usage</b>     | ELISA (1:1000)<br>Dot Blot (1:500)<br>The optimal working dilution should be determined by the end user.  |
| <b>Storage Buffer</b>      | In PBS (0.09% sodium azide)                                                                               |
| <b>Storage Instruction</b> | Store at 4°C. For long term storage store at -20°C.<br>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

- Enzyme-linked Immunoabsorbent Assay
- Dot Blot (Peptide)

Dot blot analysis of ADRB2 (phospho S261) polyclonal antibody (Cat # PAB8156) on nitrocellulose membrane. 50 ng of Phospho-peptide or Non Phospho-peptide per dot were adsorbed. Antibody working concentrations are 0.5 ug/mL.

## Gene Info — ADRB2

**Entrez GeneID** [154](#)

**Protein Accession#** [P07550;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

- [Association between a beta2-adrenergic receptor polymorphism and elite endurance performance.](#)

Wolfarth B, Rankinen T, Muhlbauer S, Scherr J, Boulay MR, Perusse L, Rauramaa R, Bouchard C.

Metabolism 2007 Dec; 56(12):1649.

- [High-resolution crystal structure of an engineered human beta2-adrenergic G protein-coupled receptor.](#)

Cherezov V, Rosenbaum DM, Hanson MA, Rasmussen SG, Thian FS, Kobilka TS, Choi HJ, Kuhn P, Weis WI, Kobilka BK, Stevens RC.

Science 2007 Nov; 318(5854):1258.

## 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](#)
- [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](#)
- [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](#)
- [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](#)
- [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](#)