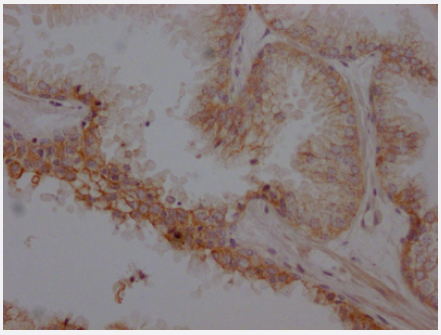
RecomAb™ Sm Size

# ADRB2 recombinant monoclonal antibody, clone 4C11

Catalog # RAB08116 Size 50 uL

## Applications



### Immunohistochemistry

Immunohistochemistry image of ADRB2 recombinant monoclonal antibody, clone 4C11 diluted at 1:100 and staining in paraffin-embedded human prostate cancer performed on a Leica Bond™ system.

## Specification

| | |
|---|---|
| **Product Description** | Rabbit recombinant monoclonal antibody raised against human ADRB2. |
| **Antibody Species** | Rabbit |
| **Immunogen** | Original antibody is raised against recombinant protein corresponding to full length human ADRB2. |
| **Reactivity** | Human |
| **Form** | Liquid |
| **Preparation Method** | Mammalian cell (HEK293) expression system |
| **Purification** | Affinity-chromatography |
| **Isotype** | IgG |
| **Recommend Usage** | ELISA<br>Immunohistochemistry (1:50-1:200)<br>The optimal working dilution should be determined by the end user. |
| **Storage Buffer** | In PBS, pH7.4 (150mM NaCl, 50% glycerol and 0.02% sodium azide) |

Copyright © 2023 Abnova Corporation. All Rights Reserved.

| | |
|---|---|
| **Storage Instruction** | Store at -20 °C or -80 °C.<br>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

- Immunohistochemistry

  Immunohistochemistry image of ADRB2 recombinant monoclonal antibody, clone 4C11 diluted at 1:100 and staining in paraffin-embedded human prostate cancer performed on a Leica Bond™ system.

- 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 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 |

## Pathway

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- 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

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- 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

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- 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

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- 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

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- 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

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- 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

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- 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

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Werner syndrome
- Wounds and Injuries

Copyright © 2023 Abnova Corporation. All Rights Reserved.