

# ADRB3 rabbit monoclonal antibody

Catalog # H00000155-K      Size 100 ug x up to 3

## Specification

|                                |                                                                                                                                                                                                                                                                              |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>     | Rabbit monoclonal antibody raised against a human ADRB3 peptide using ARM Technology.                                                                                                                                                                                        |
| <b>Immunogen</b>               | A synthetic peptide of human ADRB3 is used for rabbit immunization.<br>Customer or Abnova will decide on the preferred peptide sequence.                                                                                                                                     |
| <b>Host</b>                    | Rabbit                                                                                                                                                                                                                                                                       |
| <b>Library Construction</b>    | Non-fusion antibody library from rabbit spleen ( <a href="#">ARM Technology</a> ).                                                                                                                                                                                           |
| <b>Expression</b>              | Overexpression vector and transfection into 293H cell line.                                                                                                                                                                                                                  |
| <b>Reactivity</b>              | Human                                                                                                                                                                                                                                                                        |
| <b>Purification</b>            | Protein A                                                                                                                                                                                                                                                                    |
| <b>Isotype</b>                 | IgG                                                                                                                                                                                                                                                                          |
| <b>Quality Control Testing</b> | Antibody reactive against human ADRB3 peptide by ELISA and mammalian transfected lysate by Western Blot.                                                                                                                                                                     |
| <b>Storage Buffer</b>          | In 1x PBS, pH 7.4                                                                                                                                                                                                                                                            |
| <b>Storage Instruction</b>     | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.                                                                                                                                                                                                     |
| <b>Deliverable</b>             | Up to three rabbit IgG clones of 100 ug each will be delivered to customer.                                                                                                                                                                                                  |
| <b>Note</b>                    | 1. Customer may provide cell or tissue lysate for antibody screening.<br>2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) <sub>2</sub> , IgG, scFv and different Fc and non-Fc conjugates per customer request. |

## Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

## Gene Info — ADRB3

|                     |                                                                                                                                                                                                                                                                                                                                         |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Entrez GeneID       | <a href="#">155</a>                                                                                                                                                                                                                                                                                                                     |
| GeneBank Accession# | <a href="#">ADRB3</a>                                                                                                                                                                                                                                                                                                                   |
| Gene Name           | ADRB3                                                                                                                                                                                                                                                                                                                                   |
| Gene Alias          | BETA3AR                                                                                                                                                                                                                                                                                                                                 |
| Gene Description    | adrenergic, beta-3-, receptor                                                                                                                                                                                                                                                                                                           |
| Omim ID             | <a href="#">109691 601665</a>                                                                                                                                                                                                                                                                                                           |
| Gene Ontology       | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                                               |
| Gene Summary        | The protein encoded by this gene belongs to the family of beta adrenergic receptors, which mediate catecholamine-induced activation of adenylate cyclase through the action of G proteins. This receptor is located mainly in the adipose tissue and is involved in the regulation of lipolysis and thermogenesis. [provided by RefSeq] |
| Other Designations  | Beta-3 Adrenergic Receptor                                                                                                                                                                                                                                                                                                              |

## Pathway

- [Calcium signaling pathway](#)
- [Endocytosis](#)
- [Neuroactive ligand-receptor interaction](#)

## Disease

- [Acanthosis Nigricans](#)
- [Albuminuria](#)
- [Alzheimer disease](#)
- [Amyotrophic lateral sclerosis](#)
- [Anorexia Nervosa](#)

- [Arteriosclerosis](#)
- [Arthritis](#)
- [Atherosclerosis](#)
- [Atrial Fibrillation](#)
- [Behavior Therapy](#)
- [Birth Weight](#)
- [Body Weight](#)
- [Brain Ischemia](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Bulimia](#)
- [Cardiomyopathy](#)
- [Cardiovascular Diseases](#)
- [Carotid Artery Diseases](#)
- [Carotid Stenosis](#)
- [Colon cancer](#)
- [Colorectal Neoplasms](#)
- [Constriction](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Cystitis](#)
- [Diabetes](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Diabetic Retinopathy](#)
- [Disease Progression](#)

- [Diseases in Twins](#)
- [Drug Toxicity](#)
- [Edema](#)
- [Endometrial Neoplasms](#)
- [Fatty Liver](#)
- [Fibromyalgia](#)
- [Fractures](#)
- [Gallstones](#)
- [Genetic Predisposition to Disease](#)
- [Glaucoma](#)
- [Glomerulonephritis](#)
- [Glucose Intolerance](#)
- [Glucose Metabolism Disorders](#)
- [Heart Failure](#)
- [Hepatitis](#)
- [Hirsutism](#)
- [HIV-Associated Lipodystrophy Syndrome](#)
- [Hyperandrogenism](#)
- [Hypercholesterolemia](#)
- [Hyperglycemia](#)
- [Hyperlipidemias](#)
- [Hypertension](#)
- [Hypertrophy](#)
- [Hyperuricemia](#)
- [Infertility](#)
- [Inflammation](#)

- [Insulin Resistance](#)
- [Kidney Failure](#)
- [Liver Diseases](#)
- [Low Tension Glaucoma](#)
- [Lupus Erythematosus](#)
- [Lymphoma](#)
- [Metabolic Diseases](#)
- [Metabolic Syndrome X](#)
- [Myocardial Infarction](#)
- [Myocardial Ischemia](#)
- [Neoplasms](#)
- [Obesity](#)
- [Osteoporosis](#)
- [Overweight](#)
- [Polycystic Ovary Syndrome](#)
- [Pre-Eclampsia](#)
- [Pregnancy Complications](#)
- [Psychiatric Status Rating Scales](#)
- [Puberty](#)
- [Pulmonary Embolism](#)
- [Recurrence](#)
- [Schizophrenia](#)
- [Sleep Apnea](#)
- [Sleep Apnea Syndromes](#)
- [Stroke](#)
- [Syndrome](#)

- [Thinness](#)
- [Venous Thrombosis](#)
- [Weight Gain](#)
- [Weight Loss](#)
- [Werner syndrome](#)