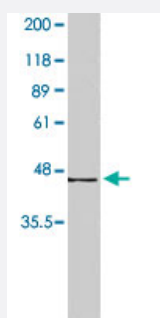


ADRB3 polyclonal antibody

Catalog # PAB8502

Size 100 ug

Applications



Western Blot (Tissue lysate)

Western blot analysis of extract from mouse adipose tissue, using ADRB3 polyclonal antibody (Cat # PAB8502) .

Specification

Product Description Rabbit polyclonal antibody raised against synthetic peptide of ADRB3.

Immunogen A synthetic peptide corresponding to human ADRB3.

Host Rabbit

Reactivity Human

Form Liquid

Quality Control Testing Antibody Reactive Against Synthetic Peptide.

Recommend Usage Western Blot (5 ug/mL)
The optimal working dilution should be determined by the end user.

Storage Buffer In PBS (0.1% proclin, 2.0% Block Ace)

Storage Instruction Store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Tissue lysate)

Western blot analysis of extract from mouse adipose tissue, using ADRB3 polyclonal antibody (Cat # PAB8502) .

Gene Info — ADRB3

Entrez GeneID	155
Gene Name	ADRB3
Gene Alias	BETA3AR
Gene Description	adrenergic, beta-3-, receptor
Omim ID	109691 601665
Gene Ontology	Hyperlink
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

Publication Reference

- [β1-Blockade Prevents Post-Ischemic Myocardial Decompensation Via β3AR-Dependent Protective Sphingosine-1 Phosphate Signaling.](#)

Cannavo A, Rengo G, Liccardo D, Pun A, Gao E, George AJ, Gambino G, Rapacciuolo A, Leosco D, Ibanez B, Ferrara N, Paolucci N, Koch WJ.

Journal of the American College of Cardiology 2017 Jul; 70(2):182.

Application: WB, Mouse, Mouse cardiac lysates

- [Chronic \$\beta\$ 1-adrenergic blockade enhances myocardial \$\beta\$ 3-adrenergic coupling with nitric oxide-cGMP signaling in a canine model of chronic volume overload: new insight into mechanisms of cardiac benefit with selective \$\beta\$ 1-blocker therapy.](#)

Trappanese DM, Liu Y, McCormick RC, Cannavo A, Nanayakkara G, Baskharoun MM, Jarrett H, Woitek FJ, Tillson DM, Dillon AR, Recchia FA, Balligand JL, Houser SR, Koch WJ.

Basic Research in Cardiology 2015 Jan; 110(1):456.

Application: WB-Ti, Mouse, Plasma membrane fraction, Myocardium, Myocytes, Liver

- [Beta3-adrenergic stimulation in the human heart: signal transduction, functional implications and therapeutic perspectives.](#)

Pott C, Brixius K, Bloch W, Ziskoven C, Napp A, Schwinger RH.

Die Pharmazie 2006 Apr; 61(4):255.

Application: WB-Ti, Human, Human hearts

- [Structure and function of beta3-adrenergic receptors.](#)

Skeberdis VA.

Medicina (Kaunas, Lithuania) 2004 Jan; 40(5):407.

- [Time of onset of non-insulin-dependent diabetes mellitus and genetic variation in the beta 3-adrenergic-receptor gene.](#)

Walston J, Silver K, Bogardus C, Knowler WC, Celi FS, Austin S, Manning B, Strosberg AD, Stern MP, Raben N, et al..

The New England Journal of Medicine 1995 Aug; 333(6):343.

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](#)