

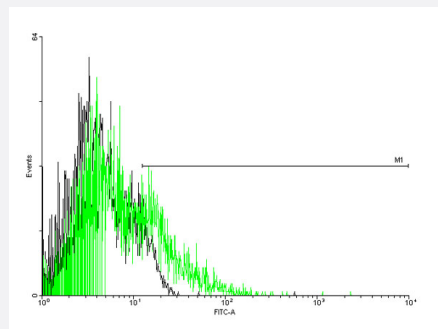
MaxPab®

ADRB3 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00000155-B01P

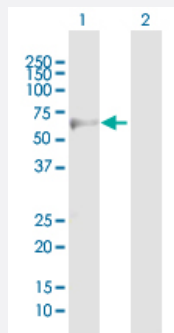
Size 50 ug

Applications



Flow Cytometry

FACS analysis of negative control 293 cells (Black) and ADRB3 expressing 293 cells (Green) using ADRB3 purified MaxPab mouse polyclonal antibody.



Western Blot (Transfected lysate)

Western Blot analysis of ADRB3 expression in transfected 293T cell line ([H00000155-T01](#)) by ADRB3 MaxPab polyclonal antibody.

Lane 1: ADRB3 transfected lysate (44.88 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Mouse polyclonal antibody raised against a full-length human ADRB3 protein.

Immunogen

ADRB3 (NP_000016.1, 1 a.a. ~ 408 a.a) full-length human protein.

Sequence

MAPWPHENSSLAPWPDLPPLAPNTANTSGLPGVPEAAALAGALLALAVLATVGGNLLVIVAIWT
PRLQTMNTNPFVTSLSAADLVMLLVPPAATLALTGHWPGLGATGCELWTSVDVLCVTASITLCA
LAVDRYLAVTNPLRYGALVTKRCARTAVVLVWVVSAAVSFAPIMSQWVRVGADAEAAQRCHSNP
RCCAFASNMPYVLLSSSVSFYLLVLMFVYARVVFVATRQLRLRGELGRFPPEESPPAPSRSL
APAPVGTCAPPEGVPACGRRPARLLPLREHRALCTGLIMGTFTLCWLPFFLANVLRALGGPSLV
PGPAFLALNWLGYANSFNPFIYCRSPDFRSFRRLLCRCGRRLPPEPCAAARPALFPGVPAA
RSSPAQPRLCQRLDGASWGVS

Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (80); Rat (80)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Flow Cytometry

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Western Blot analysis of ADRB3 expression in transfected 293T cell line ([H00000155-T01](#)) by ADRB3 MaxPab polyclonal antibody.

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Lane 2: Non-transfected lysate.

[Protocol Download](#)

Gene Info — ADRB3

Entrez GeneID	155
GeneBank Accession#	NM_000025
Protein Accession#	NP_000016.1
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 the thermogenesis. [provided by RefSeq]

Other Designations

Beta-3 Adrenergic Receptor

Publication Reference

- [Peripheral 5-HT/HTR6 axis is responsible for obesity-associated hypertension.](#)

Vadim I Chechekhin, Anastasia M Ivanova, Konstantin Y Kulebyakin, Yulia G Antropova, Maxim N Karagyaour, Maria N Skryabina, Elizaveta S Chechekhina, Natalia A Basalova, Olga A Grigorieva, Veronika Yu Sysoeva, Natalia I Kalinina, Vsevolod A Tkachuk, Pyotr A Tyurin-Kuzmin.

Biochimica et Biophysica Acta. Molecular Cell Research 2024 Feb; 1871(2):119651.

Application: IF, Flow Cytometry, Human, Adipose mesenchymal stromal cells (MSCs) Adipose mesenchymal stromal cells (MSCs)

- [Alpha1A- and Beta3-Adrenoceptors Interplay in Adipose Multipotent Mesenchymal Stromal Cells: A Novel Mechanism of Obesity-Driven Hypertension.](#)

Vadim Chechekhin, Anastasia Ivanova, Konstantin Kulebyakin, Veronika Sysoeva, Daria Naida, Mikhail Arbatsky, Nataliya Basalova, Maxim Karagyaour, Mariya Skryabina, Anastasia Efimenko, Olga Grigorieva, Natalia Kalinina, Vsevolod Tkachuk, Pyotr Tyurin-Kuzmin.

Cells 2023 Feb; 12(4):585.

Application: IF, Human, Human adipose tissue

- [Noradrenaline Sensitivity Is Severely Impaired in Immortalized Adipose-Derived Mesenchymal Stem Cell Line.](#)

Tyurin-Kuzmin PA, Chechekhin VI, Ivanova AM, Dyikanov DT, Sysoeva VY, Kalinina NI, Tkachuk VA.

International Journal of Molecular Sciences 2018 Nov; 19(12):E3712.

Application: Flow Cyt, Human, Primary adipose tissue-derived multipotent stem/stromal cells

- [Flow cytometry analysis of adrenoceptors expression in human adipose-derived mesenchymal stem/stromal cells.](#)

Tyurin-Kuzmin PA, Dyikanov DT, Fadeeva JI, Sysoeva VY, Kalinina NI.

Scientific Data 2018 Oct; 5:180196.

Application: Flow Cyt, Human, Human adipose derived-mesenchymal stem/ stromal cells

- [Characterization of Brown Adipose-Like Tissue in Trauma-Induced Heterotopic Ossification in Humans.](#)

Salisbury EA, Dickerson AR, Davis TA, Forsberg JA, Davis AR, Olmsted-Davis EA.

The American Journal of Pathology 2017 Jul; 187(9):2071.

Application: IHC-P, Human, Human heterotopic ossification tissues

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](#)
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- [Kidney Failure](#)
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- [Low Tension Glaucoma](#)
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- [Lymphoma](#)
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- [Metabolic Syndrome X](#)
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- [Myocardial Ischemia](#)
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- [Osteoporosis](#)
- [Overweight](#)

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- [Recurrence](#)
- [Schizophrenia](#)
- [Sleep Apnea](#)
- [Sleep Apnea Syndromes](#)
- [Stroke](#)
- [Syndrome](#)
- [Thinness](#)
- [Venous Thrombosis](#)
- [Weight Gain](#)
- [Weight Loss](#)
- [Werner syndrome](#)