Datasheet for ABIN5542567

anti-beta 2 Adrenergic Receptor antibody (AA 302-413)

Overview

Quantity: 0.1 mg
Target: beta 2 Adrenergic Receptor (ADRB2)
Binding Specificity: AA 302-413
Reactivity: Human, Rat
Host: Mouse
Clonality: Monoclonal
Conjugate: This beta 2 Adrenergic Receptor antibody is un-conjugated
Application: Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Flow Cytometry (FACS), Immunocytochemistry (ICC)

Product Details

Immunogen: Purified recombinant fragment of human ADRB2 (AA: 302-413) expressed in E. coli.
Clone: 5G3B5
Isotype: IgG1
Purification: purified

Target Details

Target: beta 2 Adrenergic Receptor (ADRB2)
Alternative Name: ADRB2 (ADRB2 Products)
Background: Description: This gene encodes beta-2-adrenergic receptor which is a member of the G protein-
Target Details

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.

Aliases: BAR, B2AR, ADRBR, ADRB2R, BETA2AR

Molecular Weight: 46.5 kDa
Gene ID: 154
HGNC: 11293627
Pathways: cAMP Metabolic Process, Synaptic Membrane, Regulation of G-Protein Coupled Receptor Protein Signaling, Brown Fat Cell Differentiation

Application Details

Restrictions: For Research Use only

Handling

Format: Liquid
Buffer: Purified antibody in PBS with 0.05 % sodium azide
Preservative: Sodium azide
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage: 4 °C/-20 °C
Storage Comment: 4°C, -20°C for long term storage
Flow Cytometry

**Image 1.** Flow cytometric analysis of MCF-7 cells using ADRB2 mouse mAb (green) and negative control (red).

ELISA

**Image 2.** Black line: Control Antigen (100 ng), Purple line: Antigen (10 ng), Blue line: Antigen (50 ng), Red line: Antigen (100 ng)

Western Blotting

**Image 3.** Western blot analysis using ADRB2 mAb against human ADRB2 (AA: 302-413) recombinant protein. (Expected MW is 38.5 kDa)

Please check the product details page for more images. Overall 5 images are available for ABIN5542567.