

# ADRB2 Rabbit pAb

Catalog No.: A1295

1 Publications

## Basic Information

### Observed MW

62kDa

### Calculated MW

46kDa

### Category

Primary antibody

### Applications

WB

### Cross-Reactivity

Human, Mouse

## Background

This gene encodes beta-2-adrenergic receptor which is a member of the G protein-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 receptor is also a transcription regulator of the alpha-synuclein gene, and together, both genes are believed to be associated with risk of Parkinson's Disease. This gene is intronless. Different polymorphic forms, point mutations, and/or downregulation of this gene are associated with nocturnal asthma, obesity, type 2 diabetes and cardiovascular disease.

## Recommended Dilutions

WB 1:500 - 1:1000

## Immunogen Information

### Gene ID

154

### Swiss Prot

P07550

### Immunogen

A synthetic peptide of human ADRB2

### Synonyms

BAR; B2AR; ADRBR; ADRB2R; BETA2AR; ADRB2

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

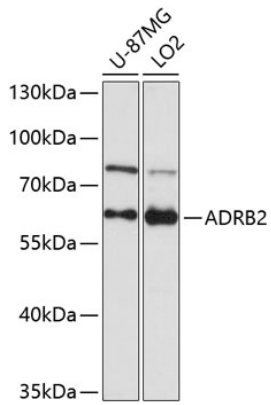
### Storage

Store at 4°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, pH7.3.

## Validation Data

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Western blot analysis of extracts of various cell lines, using ADRB2 antibody (A1295) at 1:1000 dilution.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 90s.