

Datasheet for ABIN652506

## anti-ADRA2B antibody (AA 343-369)



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### 4 Images

#### Overview

Quantity:	400 µL
Target:	ADRA2B
Binding Specificity:	AA 343-369
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ADRA2B antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

#### Product Details

Immunogen:	This ADRA2B antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 343-369 amino acids from the Central region of human ADRA2B.
Clone:	RB22486
Isotype:	IgG
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

#### Target Details

Target:	ADRA2B
Alternative Name:	ADRA2B ( <a href="#">ADRA2B Products</a> )

## Target Details

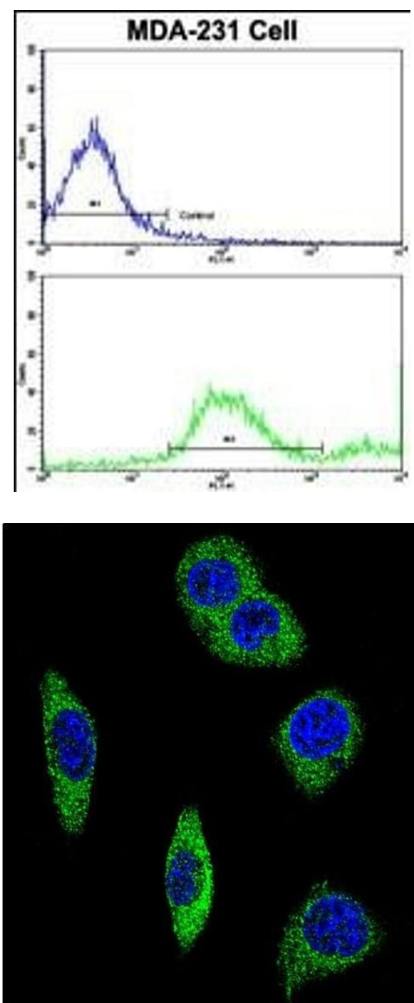
Background:	Alpha-2-adrenergic receptors are members of the G protein-coupled receptor superfamily. They include 3 highly homologous subtypes: alpha2A, alpha2B, and alpha2C. These receptors have a critical role in regulating neurotransmitter release from sympathetic nerves and from adrenergic neurons in the central nervous system. Alpha 2B adrenergic receptor subtype was observed to associate with eIF-2B, a guanine nucleotide exchange protein that functions in regulation of translation. A polymorphic variant of the alpha2B subtype, which lacks 3 glutamic acids from a glutamic acid repeat element, was identified to have decreased G protein-coupled receptor kinase-mediated phosphorylation and desensitization, this polymorphic form is also associated with reduced basal metabolic rate in obese subjects and may therefore contribute to the pathogenesis of obesity. Alpha 2B adrenergic receptor gene contains no introns in either its coding or untranslated sequences.
Molecular Weight:	49954
Gene ID:	151
NCBI Accession:	<a href="#">NP_000673</a>
UniProt:	<a href="#">P18089</a>
Pathways:	<a href="#">EGFR Signaling Pathway</a> , <a href="#">cAMP Metabolic Process</a>

## Application Details

Application Notes:	IF: 1:10~50. WB: 1:1000. IHC-P: 1:50~100. FC: 1:10~50
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) 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:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

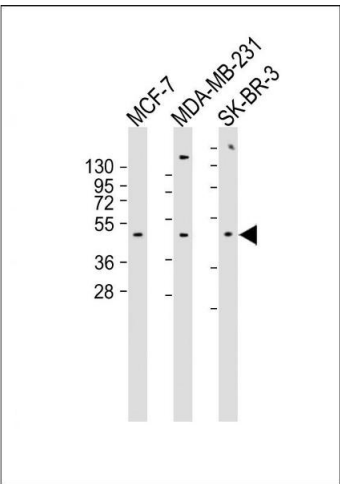


### Flow Cytometry

**Image 1.** Flow cytometric analysis of MDA-231 cells using ADRA2B Antibody (Center)(bottom histogram) compared to a negative control (top histogram). FITC-conjugated goat anti-rabbit secondary antibodies were used for the analysis.

### Immunofluorescence

**Image 2.** Confocal immunofluorescent analysis of ADRA2B Antibody (Center) (ABIN652506 and ABIN2842340) with MDA-M cell followed by Alexa Fluor® 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



### Western Blotting

**Image 3.** All lanes : Anti-ADRA2B Antibody (Center) at 1:1000 dilution Lane 1: MCF-7 whole cell lysate Lane 2: MDA-MB-231 whole cell lysate Lane 3: SK-BR-3 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 50 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN652506.