



# ADRA2B Antibody

Catalog: OM270009

 20ul  50ul  100ul

## Product profile

<b>Product name</b>	ADRA2B Antibody
<b>Antibody Type</b>	Primary Antibodies
<b>Product description</b>	<p>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. 1) Tabakoff, B., et al., BMC Biol. 7, 70 (2009) Weinshank, R.L., et al. Mol. Pharmacol. 38 (5), 681-688 (1990)</p>
<b>Immunogen</b>	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.

## Key Feature

<b>Clonality</b>	Polyclonal
<b>Isotype</b>	Ig
<b>Host Species</b>	Rabbit
<b>Tested Application</b>	<b>FACS</b> <b>IF</b> <b>IHC-P</b> <b>WB</b> For WB starting dilution is: 1:1000 For IHC-P starting dilution is: 1:50~100 For FACS starting dilution is: 1:10~50 For IF starting dilution is: 1:10~50:
<b>Species Reactivity</b>	<b>Human</b>
<b>Concentration</b>	1mg/ml
<b>Purification</b>	Affinity purified

## Target Information

**Gene Symbol** ADRA2B

**Alternative Names** Alpha-2B adrenergic receptor  
Alpha-2 adrenergic receptor subtype C2  
Alpha-2B adrenoreceptor  
Alpha-2B adrenoceptor  
Alpha-2BAR  
ADRA2B  
ADRA2L1  
ADRA2RL1

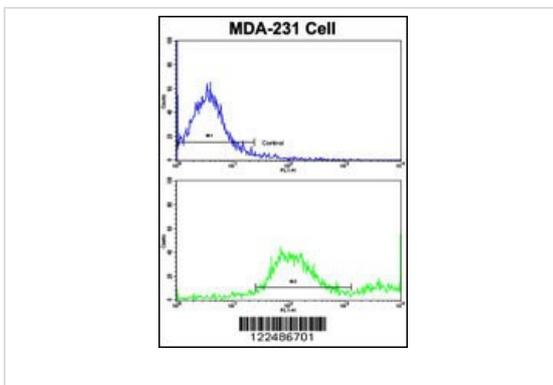
**Molecular Weight(MW)** 50 kDa

## Database Links

**Entrez Gene** 151

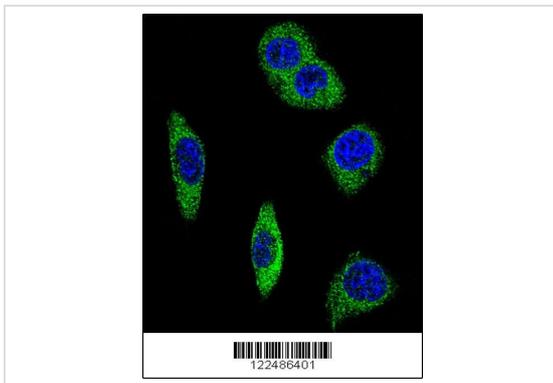
**Protein Accession** P18089

## Application



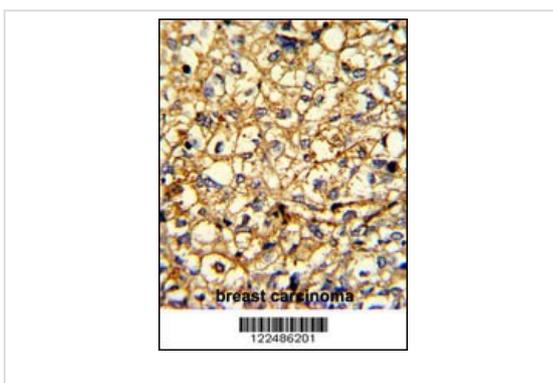
### Application

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



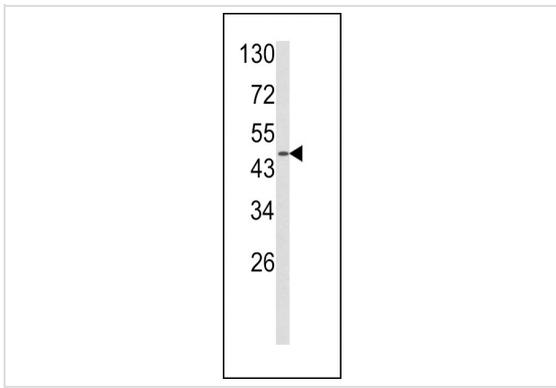
### Application

Confocal immunofluorescent analysis of ADRA2B Antibody with MDA-MB231 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



### Application

Formalin-fixed and paraffin-embedded human breast carcinoma with ADRA2B Antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining.



#### Application

Western blot analysis of ADRA2B Antibody in MDA-MB231 cell line lysates  
(35ug/lane)

#### Application Notes

For WB starting dilution is: 1:1000 For IHC-P starting dilution is: 1:50~100 For FACS starting dilution is: 1:10~50 For IF starting dilution is: 1:10~50:

## Additional Information

#### Form

Liquid

#### Storage Instructions

Store at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

#### Storage Buffer

Supplied in PBS with 0.09% (W/V) sodium azide.

# OmnimAbs.com

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This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt