Datasheet for ABIN453503

anti-ADRA2B antibody (AA 349-378)

4 Images

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Overview

Quantity:	0.4 mL
Target:	ADRA2B
Binding Specificity:	AA 349-378
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)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 349~378 amino acids from the Center region of Human ADRA2B. Genename: ADRA2B
Specificity:	This antibody recognizes Alpha-2B adrenergic receptor.
Purification:	Affinity Chromatography on Protein A

Target Details

Target:	ADRA2B
Alternative Name:	alpha-2B Adrenergic Receptor (ADRA2B Products)
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

Target Details

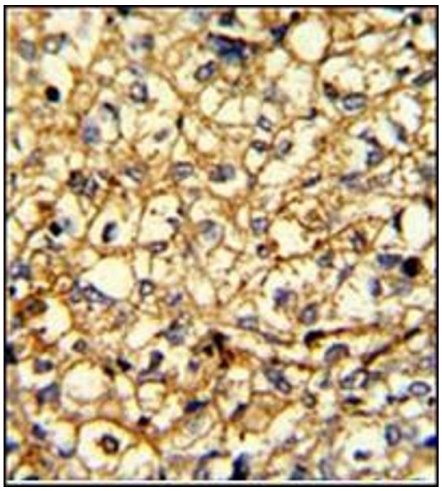
	critical role in regulating neurotransmitter release from sympathetic nerves and from adrenergic neurons in the central nervous system. Alpha 2B adrenergic receptor subtype was observed to associate with eIF-2B, a guanine nucleotide exchange protein that functions in regulation of translation. A polymorphic 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.Synonyms: ADRA2B, ADRA2L1, ADRA2RL1, Alpha-2B adrenoceptor, Alpha-2B adrenoreceptor
Gene ID:	151
NCBI Accession:	NP_000673
UniProt:	P18089
Pathways:	EGFR Signaling Pathway, cAMP Metabolic Process

Application Details

Application Notes:	ELISA: 1/1,000. Western blotting: 1/100 - 1/500. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

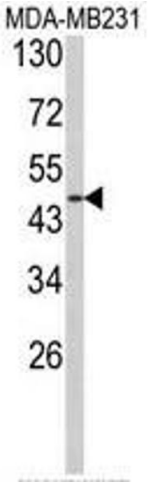
Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS with 0.09 % (W/V) Sodium Azide as preservative
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



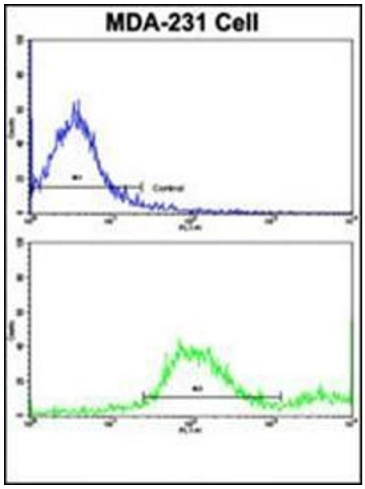
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin-fixed and paraffin-embedded human breast carcinoma with ADRA2B Antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



Western Blotting

Image 2. Western blot analysis of ADRA2B Antibody (Center) Cat.-No AP17872PU-N in MDA-MB231 cell line lysates (35ug/lane). ADRA2B (arrow) was detected using the purified Pab.



Flow Cytometry

Image 3. Flow cytometric analysis of MDA-231 cells using ADRA2B Antibody (Center)(bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Please check the product details page for more images. Overall 4 images are available for ABIN453503.