

Datasheet for ABIN264463  
**anti-ADRA2B antibody**



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1 Image

## Overview

Quantity:	0.1 mg
Target:	ADRA2B
Reactivity:	Rat, Mouse
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This ADRA2B antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Frozen Sections) (IHC (fro))

## Product Details

Immunogen:	Antibody raised to synthetic peptide internal sequence corresponding to the third intracellular loop of rat alpha 2b adrenergic receptor.
Clone:	5G10
Isotype:	IgG1
Characteristics:	Synonyms: ADRA2B, ADRA2L1, ADRA2RL1, Alpha-2B adrenoreceptor, Alpha-2B adrenoceptor
Purification:	Purified

## Target Details

Target:	ADRA2B
Alternative Name:	alpha-2B Adrenergic Receptor ( <a href="#">ADRA2B Products</a> )
Background:	The rat alpha 2b adrenergic receptor is a G protein coupled receptor which acts through Gi2

## Target Details

and is responsible for Cellular communication and signal transduction. These receptors are linked to pertussis toxin-sensitive G proteins. Agonist binding leads to inhibition of adenylyl cyclase, inhibition of Ca(2+) channels and activation of K(+) channels. Recently, three distinct subtypes of alpha(2)-AR were described, alpha(2A)-AR, alpha(2B)-AR and alpha(2C)-AR. At present, it is unknown which of these alpha(2)-AR subtype(s) may regulate insulin secretion. Synonyms: ADRA2B, ADRA2L1, ADRA2RL1, Alpha-2B adrenoceptor, Alpha-2B adrenoreceptor

Gene ID: 24174

UniProt: [P19328](#)

Pathways: [EGFR Signaling Pathway](#), [cAMP Metabolic Process](#)

## Application Details

Application Notes: Western blot (1-5 µg/mL). Immunohistochemistry. Positive Control/Tissue Expression: MDCK cells transfected with rat alpha2B adrenergic receptors.  
Other applications not tested.  
Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

## Handling

Concentration: 1.0 mg/mL

Buffer: PBS containing 0.08 % Sodium Azide as preservative.

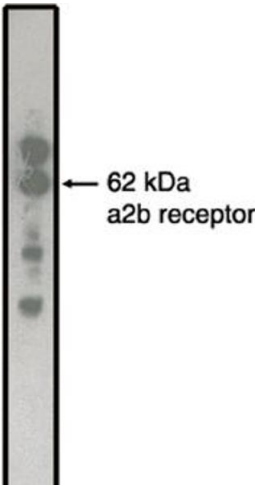
Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store the antibody at -20 °C. Avoid repeated freezing and thawing.  
Shelf life: One year from despatch.

Expiry Date: 12 months



Western Blotting

Image 1.