

Datasheet for ABIN306933

anti-RGR antibody (Intracellular)



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1 Image

Overview

Quantity:	100 µg
Target:	RGR
Binding Specificity:	Intracellular
Reactivity:	Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This RGR antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	Mouse monoclonal antibody raised to a synthetic peptide corresponding to the third intracellular loop of the rat alpha 2b adrenergic receptor.
Clone:	5G10
Isotype:	IgG1
Cross-Reactivity:	Mouse, Rat
Characteristics:	The rat alpha 2b adrenergic receptor is a G protein coupled receptor which acts through Gi2 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.

Product Details

Purification: Protein A/G Chromatography

Target Details

Target: RGR

Alternative Name: Adrenergic Receptor ([RGR Products](#))

UniProt: [P19328](#)

Application Details

Application Notes: Antibody detects alpha2B Adrenergic Receptors in Western blots (1-5 µg/mL) and immunohistochemistry. Optimal concentration should be evaluated by serial dilutions.

Restrictions: For Research Use only

Handling

Buffer: Provided as solution in phosphate buffered saline with 0.08 % sodium azide

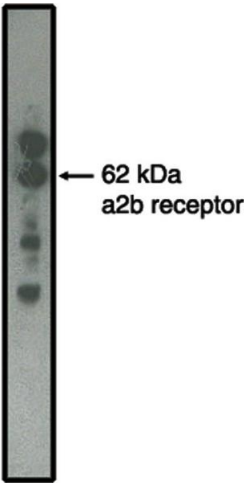
Preservative: Sodium azide

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

Storage: -20 °C

Storage Comment: Product should be stored at -20°C. Aliquot to avoid freeze/thaw cycles

Images



Western Blotting

Image 1. Western blot analysis using alpha2B adrenergic receptor antibody on MDCK cells transfected to produce alpha2B receptor protein. Rat, Mouse