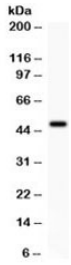
ADRB2 Antibody (R31906)

Catalog No.	Formulation	Size
R31906	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
UniProt	P07550
Applications	Western blot: 0.1-0.5ug/ml
Limitations	This ADRB2 antibody is available for research use only.



Western blot testing of rat brain lysate with ADRB2 antibody. Predicted molecular weight ~46 kDa, but commonly observed at up to 85 kDa.

Description

ADRB2, also known as beta-2 adrenergic receptor, is a beta-adrenergic receptor within a cell membrane which reacts with adrenaline (epinephrine) as a hormone or neurotransmitter affecting muscles or organs. It is mapped to 5q32. This receptor is directly associated with one of its ultimate effectors, the class C L-type calcium channel Ca(V)1.2. The genetic variation in the ADRB2 gene may be of major importance for obesity, energy expenditure, and lipolytic ADRB2 function in adipose tissue, at least in women. WhatÃ¯Â¿Â½s more, it has been found that activation of ADRB2 receptors can stimulate gamma-secretase activity and beta-amyloid production, and the ADRB2 receptors activator may contribute to beta-amyloid accumulation in AD.

Application Notes

Optimal dilution of the ADRB2 antibody should be determined by the researcher.

Immunogen

Amino acids RVFQEAKRQLQKIDKSEGRFHVQNLSQVEQDGRTGH of human ADRB2 were used as the immunogen for the ADRB2 antibody.

Storage

After reconstitution, the ADRB2 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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