

Anti-beta 2 Adrenergic Receptor/ADRB2 Antibody Picoband™

Catalog Number: PB9365

About ADRB2

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. What's 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.

Overview

Product Name	Anti-beta 2 Adrenergic Receptor/ADRB2 Antibody Picoband™
Reactive Species	Human, Rat
Description	Boster Bio Anti-beta 2 Adrenergic Receptor/ADRB2 Antibody Picoband™ catalog # PB9365. Tested in WB applications. This antibody reacts with Human, Rat.
Application	WB
Clonality	Polyclonal
Formulation	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Storage Instructions	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P07550

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human ADRB2, different from the related mouse and rat sequences by three amino acids.
Predicted Reactive Species	Bovine
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Rabbit IgG
Form	Lyophilized

Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used: Western blot, 0.1-0.5ug/ml, Rat, Human

Anti-beta 2 Adrenergic Receptor/ADRB2 Antibody Picoband™ (PB9365) Images



Anti-ADRB2 Picoband antibody, PB9365, Western blotting
All lanes: AntiADRB2 (PB9365) at 0.5ug/ml
WB: Rat Brain Tissue Lysate at 50ug
Predicted bind size: 47KD
Observed bind size: 47KD

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