Product datasheet

Anti-ADRB2 (Phospho-S346) Antibody

Catalog Number: *P00072*

BOSTER®
antibody and ELISA experts
BOSTER BIOLOGICAL TECHNOLOGY
Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator,
East Lake High-Tech Development Zone, Wuhan.
Web: www.boster.com ***Phone:*** 027-67845390/1/2 ***Email:*** boster@boster.com

Basic Information

Product Name	Anti-ADRB2 (Phospho-S346) Antibody
Gene Name	ADRB2
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	human, mouse, rat
Tested Application	WB, IHC, ICC/IF
Contents	500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg/ml BSA and 50% glycerol.
Immunogen	A synthesized peptide derived from human ADRB2 around the phosphorylation site of Ser346.
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	40 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC): 1:50-200 Immunocytochemistry/Immunofluorescence (ICC/IF): 1:50-200 (Boiling the paraffin sections in 10mM citrate buffer,pH6.0,or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.

Storage

12 months from date of receipt, -20℃ as supplied. 6 months 2 to 8℃ after reconstitution. Avoid repeated freezing and thawing.

Background Information

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

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stimulate gamma-secretase activity and beta-amyloid production, and the ADRB2 receptors activator may contribute to beta-amyloid accumulation in AD.

Selected Validation Data

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