

For Research Use Only

ADRB2 Polyclonal antibody, PBS Only

Catalog Number: 29864-1-PBS



Basic Information

Catalog Number:

29864-1-PBS

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG32313

GenBank Accession Number:

BC012481

GeneID (NCBI):

154

UNIPROT ID:

P07550

Full Name:

adrenergic, beta-2-, receptor, surface

Calculated MW:

46 kDa

Observed MW:

46-48 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, IF-P, Indirect ELISA

Species Specificity:

human

Background Information

Beta-2 adrenergic receptor (ADRB2), a member of the G protein-coupled receptor (GPCR) family, binds epinephrine with an approximately 30-fold greater affinity than it does norepinephrine. ADRB2 is directly linked to one of its final effectors, the class C L-type Ca²⁺ channel, Cav1.2 (PMID: 11441182). This receptor-channel complex also contains a G protein, an adenylyl cyclase, cyclic adenosine monophosphate-dependent protein kinase (PKA), and a counteracting phosphatase, PP2A. Different polymorphic forms, point mutations, and/or downregulation of the gene of ADRB2 are associated with nocturnal asthma, obesity, and type 2 diabetes. This antibody detects ADRB2 with a molecular weight of 46-48 kDa, as has been shown by some researches (PMID: 30542705; 35075132).

Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

For technical support and original validation data for this product please contact:

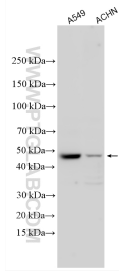
T: 4006900926

E: Proteintech-CN@ptglab.com

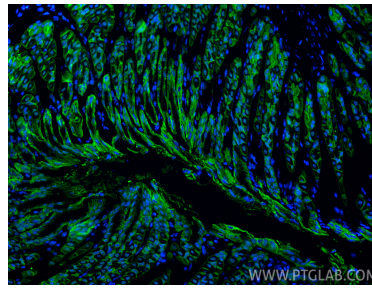
W: ptgcn.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 29864-1-AP (ADRB2 antibody) at dilution of 1:2500 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 29864-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse stomach tissue using ADRB2 antibody (29864-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 29864-1-PBS in a different storage buffer formulation.