

For Research Use Only

ADRB2 Polyclonal antibody

Catalog Number: 29864-1-AP **2 Publications**



Basic Information

Catalog Number: 29864-1-AP	GenBank Accession Number: BC012481	Purification Method: Antigen affinity purification
Size: 450 µg/ml	GeneID (NCBI): 154	Recommended Dilutions: WB 1:500-1:3000
Source: Rabbit	UNIPROT ID: P07550	
Isotype: IgG	Full Name: adrenergic, beta-2-, receptor, surface	
Immunogen Catalog Number: AG32313	Calculated MW: 46 kDa	
	Observed MW: 46-48 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : A549 cells,
Cited Applications: WB	
Species Specificity: Human	
Cited Species: human, mouse	

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).

Notable Publications

Author	Pubmed ID	Journal	Application
Xingcheng Lin	37927415	Oncol Lett	WB
Hao-Kun Xu	37680481	iScience	WB

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

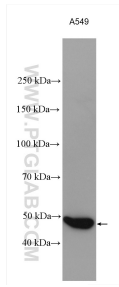
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Selected Validation Data



A549 cells were subjected to SDS PAGE followed by western blot with 29864-1-AP (ADRB2 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.