

For Research Use Only

ADRB1 Polyclonal antibody

Catalog Number: 28323-1-AP

4 Publications



Basic Information

Catalog Number: 28323-1-AP	GenBank Accession Number: NM_000684	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 650 ug/ml by Nanodrop;	GeneID (NCBI): 153	Recommended Dilutions: WB 1:1000-1:4000 IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: P08588	
Isotype: IgG	Full Name: adrenergic, beta-1-, receptor	
Immunogen Catalog Number: AG28223	Calculated MW: 51 kDa	
	Observed MW: 49 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls: WB : mouse heart tissue, rat heart tissue IHC : mouse lung tissue,
Cited Applications: WB, IHC	
Species Specificity: human, mouse, rat	
Cited Species: human, mouse, rat	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

ADRB1 (adrenergic receptor beta 1), a member of the G protein-coupled receptor (GPCR) superfamily, responds to catecholamine stimulation. ADRB1 is the predominant subtype expressed in the heart and mediates increases in inotropy and chronotropy when stimulated. ADRB1 mediates a wide range of cardiovascular physiological responses and has been of great interest to researchers as a therapeutic target for cardiovascular diseases. Moreover, three subtypes of ADRBs (ADRB1, ADRB2, and ADRB3) are encoded by three separate genes (PMID:16636683; 33372534; 33593484).

Notable Publications

Author	Pubmed ID	Journal	Application
Leyi Zhang	39630109	Adv Sci (Weinh)	IHC
Xingcheng Lin	37927415	Oncol Lett	WB
Wanyu Tu	37783262	Brain Res	WB

Storage

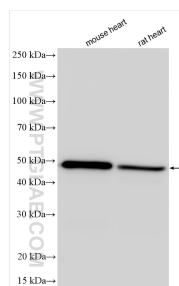
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

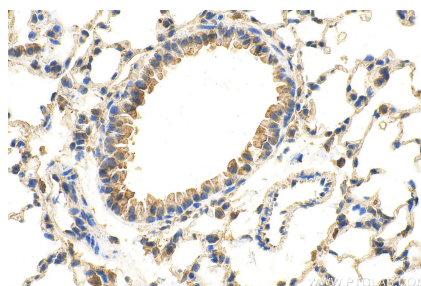
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 28323-1-AP (ADRB1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse lung tissue slide using 28323-1-AP (ADRB1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).