Product Name: AR-β1 Rabbit Polyclonal Antibody
Catalog #: APRab07194

Summary

Production Name	AR-β1 Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB,ELISA
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	ADRB1
Alternative Names	ADRB1; ADRB1R; B1AR; Beta-1 adrenergic receptor; Beta-1 adrenoreceptor; Beta-1 adrenoceptor
Gene ID	153.0
SwissProt ID	P08588.The antiserum was produced against synthesized peptide derived from human ADRB1. AA range:281-330

Application

Dilution Ratio	WB 1:500 - 1:2000. ELISA: 1:20000
Molecular Weight	51kD

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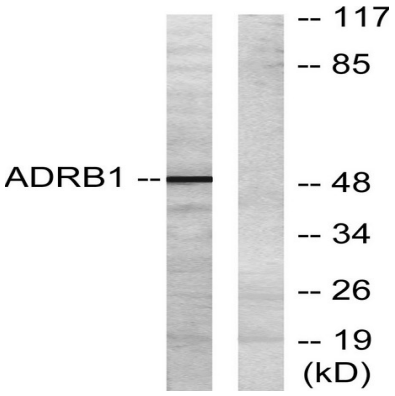
Background

The adrenergic receptors (subtypes alpha 1, alpha 2, beta 1, and beta 2) are a prototypic family of guanine nucleotide binding regulatory protein-coupled receptors that mediate the physiological effects of the hormone epinephrine and the neurotransmitter norepinephrine. Specific polymorphisms in this gene have been shown to affect the resting heart rate and can be involved in heart failure. [provided by RefSeq, Jul 2008],domain:The PDZ domain-binding motif mediates competitive interactions with GOPC, MAGI3 and DLG4 and plays a role in subcellular location of the receptor.,function:Beta-adrenergic receptors mediate the catecholamine-induced activation of adenylate cyclase through the action of G proteins. This receptor binds epinephrine and norepinephrine with approximately equal affinity.,PTM:Homologous desensitization of the receptor is mediated by its phosphorylation by beta-adrenergic receptor kinase.,similarity:Belongs to the G-protein coupled receptor 1 family.,subcellular location:Localized at the plasma membrane. Found in the Golgi upon GOPC overexpression.,subunit:Interacts with GOPC, MAGI3 and DLG4.,

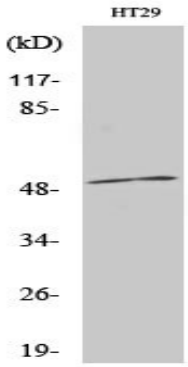
Research Area

Calcium;Neuroactive ligand-receptor interaction;Endocytosis;Gap junction;Dilated cardiomyopathy;

Image Data



Western blot analysis of lysates from HT-29 cells, using ADRB1 Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using AR-β1 Polyclonal Antibody

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Note

For research use only.