

Rabbit ADRB1 Polyclonal Antibody | anti-ADRB1 antibody

ADRB1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324200	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

ADRB1; Polyclonal Antibody; ADRB1 Antibody; ADR B1; ADRB 1; ADRB1_HUMAN; ADRB1R; Adrenergic beta 1 receptor; Adrenoceptor beta 1; B1AR; Beta 1 adrenoceptor; Beta 1 adrenoreceptor; Beta-1 adrenergic receptor; Beta-1 adrenoceptor; Beta-1 adrenoreceptor; BETA1AR; RHR; anti-ADRB1 antibody

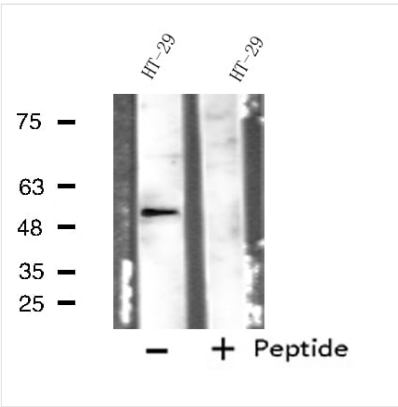
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	ADRB1 antibody detects endogenous levels of total ADRB1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	477
Applicable Applications for anti-ADRB1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Cell Membrane. Localized at the plasma membrane. Found in the Golgi upon GOPC overexpression.
Predicted Cross Reactivity	Bovine, Sheep
Similarity	Bovine (89%), Sheep (89%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)
AAA324200 staining HT29 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



WB (Western Blot)
Western blot analysis of extracts from HT-29 cells, using ADRB1 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-ADRB1 antibody	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. Mediates Ras activation through G(s)-alpha-and cAMP-mediated signaling. Subunit Structure: Interacts (via C-terminus PDZ motif) with RAPGEF2; the interaction is direct. Interacts with GOPC, MAGI3 and DLG4. Post-translational Modifications: Homologous desensitization of the receptor is mediated by its phosphorylation by beta-adrenergic receptor kinase. Similarity: The PDZ domain-binding motif mediates competitive interactions with GOPC, MAGI3 and DLG4 and plays a role in subcellular location of the receptor. Belongs to the G-protein coupled receptor 1 family. Adrenergic receptor subfamily. ADRB1 sub-subfamily.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4557265
NCBI GeneID	153
NCBI Accession #	NP_000675.1
NCBI GenBank Nucleotide #	NM_000684.2
UniProt Accession #	P08588; Q5T5Y4; Q9UKG7; Q9UKG8; B0LPE2
Molecular Weight	Observed: 51 kD Predicted: 52 kDa
NCBI Official Full Name	beta-1 adrenergic receptor
NCBI Official Synonym Full Names	adrenoceptor beta 1
NCBI Official Symbol	ADRB1
NCBI Official Synonym Symbols	RHR; B1AR; ADRB1R; BETA1AR
NCBI Protein Information	beta-1 adrenergic receptor
UniProt Protein Name	Beta-1 adrenergic receptor
UniProt Gene Name	ADRB1
UniProt Synonym Gene Names	ADRB1R; B1AR; Beta-1 adrenoceptor

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/adrb1-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/324200>