

ARG55148 anti-alpha 1D Adrenergic Receptor antibody

Package: 100 µl, 50 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes alpha 1D Adrenergic Receptor
Tested Reactivity	Hu, Rat
Predict Reactivity	Ms, Bov, Dog, Rb, Sheep
Tested Application	FACS, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	alpha 1D Adrenergic Receptor
Species	Human
Immunogen	KLH-conjugated synthetic peptide corresponding to aa. 1-30 (N-terminus) of Human alpha 1D Adrenergic Receptor.
Conjugation	Un-conjugated
Alternate Names	ADRA1A; Alpha-1D adrenoceptor; ALPHA1; ADRA1; Alpha-1D adrenoceptor; Alpha-1D adrenergic receptor; Alpha-1A adrenergic receptor; ADRA1R; DAR; dJ779E11.2; Alpha-adrenergic receptor 1a

Application Instructions

Application table	Application	Dilution
	FACS	1:25
	IHC-P	Assay-dependent
	WB	1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	A549	

Properties

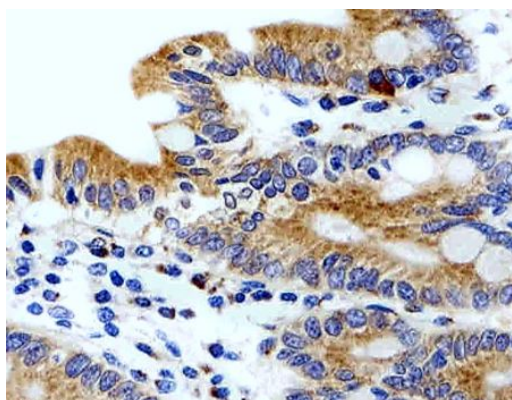
Form	Liquid
Purification	Purification with Protein A and immunogen peptide.
Buffer	PBS and 0.09% (W/V) Sodium azide
Preservative	0.09% (W/V) Sodium azide
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

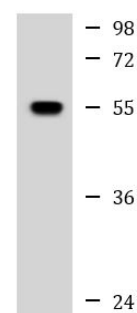
Database links	GeneID: 146 Human GeneID: 29413 Rat Swiss-port # P23944 Rat Swiss-port # P25100 Human
Gene Symbol	ADRA1D
Gene Full Name	adrenoceptor alpha 1D
Background	Alpha-1-adrenergic receptors (alpha-1-ARs) are members of the G protein-coupled receptor superfamily. They activate mitogenic responses and regulate growth and proliferation of many cells. There are 3 alpha-1-AR subtypes: alpha-1A, -1B and -1D, all of which signal through the Gq/11 family of G-proteins and different subtypes show different patterns of activation. This gene encodes alpha-1D-adrenergic receptor. Similar to alpha-1B-adrenergic receptor gene, this gene comprises 2 exons and a single intron that interrupts the coding region. [provided by RefSeq, Jul 2008]
Function	This alpha-adrenergic receptor mediates its effect through the influx of extracellular calcium. [UniProt]
Research Area	Cell Biology and Cellular Response antibody; Signaling Transduction antibody
Calculated Mw	60 kDa
Cellular Localization	Cell membrane; Multi-pass membrane protein.

Images



ARG55148 anti-alpha 1D Adrenergic Receptor antibody IHC-P image

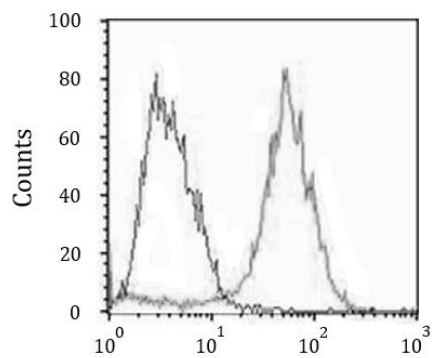
Immunohistochemistry: Paraffin-embedded Human small intestine tissue stained with ARG55148 anti-alpha 1D Adrenergic Receptor antibody at 1:100 dilution.



A549

ARG55148 anti-alpha 1D Adrenergic Receptor antibody WB image

Western blot: 35 µg of A549 cell lysate stained with ARG55148 anti-alpha 1D Adrenergic Receptor antibody at 1:1000 dilution.



ARG55148 anti-alpha 1D Adrenergic Receptor antibody FACS image

Flow Cytometry: MCF7 cells stained with ARG55148 anti-alpha 1D Adrenergic Receptor antibody (right histogram) at 1:25 dilution or isotype control antibody (left histogram), followed by incubation with Alexa Fluor® 488 labelled secondary antibody.