

AR- Alpha1B Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP00649
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human ADRA1B. AA range:431-480
Mol wt	56836
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	WB, IF, ELISA
Concentration	1 mg/ml
Full name	AR-alpha1B Antibody
Synonyms	ADRA1B; Alpha-1B adrenergic receptor; Alpha-1B adrenoreceptor; Alpha-1B adrenoceptor

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

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. ADRA1B encodes alpha-1B-adrenergic receptor, which induces neoplastic transformation when transfected into NIH 3T3 fibroblasts and other cell lines. Thus, this normal cellular gene is identified as a protooncogene. ADRA1B comprises 2 exons and a single large intron of at least 20 kb that interrupts the coding region.

Recommended Dilution

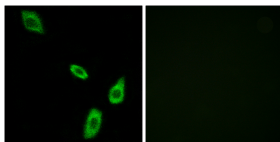
WB: 1: 500 - 1: 2000

IF: 1: 200 - 1: 1000

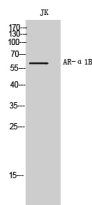
ELISA: 1: 20000

Not yet tested in other applications.

Images



Immunofluorescence analysis of LOVO cells, using ADRA1B Antibody. The picture on the right is blocked with the synthesized peptide.



Western Blot analysis of JK cells using AR- α 1B Polyclonal Antibody

Storage

-20°C for one year

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