

# 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 adrenoceptor Alpha-1B adrenoceptor

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

#### Background

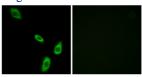
Alpha-1-adrenergic receptors (alpha-1-ARs) are members of the G protein-coupled receptor superfamily. They activate mitogenic responses and regulate growth and proliferation of many cells. There are 3 alpha-1-AR subtypes: alpha-1A, -1B and -1D, all of which signal through the Gq/11 family of G-proteins 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

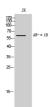
WB: 1: 500 - 1: 2000 IF: 1: 200 - 1: 1000 ELISA: 1: 20000

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- $\alpha 1B$  Polyclonal Antibody

## Storage

-20°C for one year

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