ELK Biotechnology

AR-α1B rabbit pAb

Cat No.:ES4873

For research use only

Overview

Product Name	AR-α1B rabbit pAb
Host species	Rabbit
Applications	WB;IF;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/20000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human ADRA1B. AA range:431-480
Specificity	AR-α1B Polyclonal Antibody detects endogenous levels of AR-α1B protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Alpha-1B adrenergic receptor
Gene Name	ADRA1B
Cellular localization	Nucleus membrane; Multi-pass membrane protein. Cell membrane ; Multi-pass membrane protein . Cytoplasm . Membrane, caveola . Location at the nuclear membrane facilitates heterooligomerization and regulates ERK-mediated signaling in cardiac myocytes. signa
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	60kD
Human Gene ID	147
Human Swiss-Prot Number	P35368
Alternative Names	ADRA1B; Alpha-1B adrenergic receptor; Alpha-1B adrenoreceptor; Alpha-1B adrenoceptor

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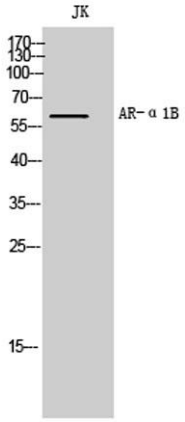
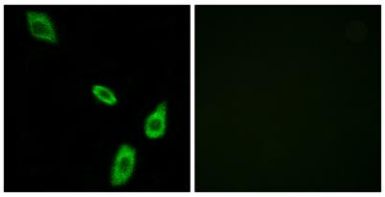
Background

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-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. This gene comprises 2 exons and a single large intron of at least 20 kb that interrupts the coding region. [provided by RefSeq, Jul 2008],



Western Blot analysis of JK cells using AR-α1B Polyclonal Antibody



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

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