



AR-α 1B Monoclonal Antibody

Catalog No	YP-mAb-13147
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	ADRA1B
Immunogen	The antiserum was produced against synthesized peptide derived from human ADRA1B. AA range:431-480
Specificity	AR-α1B Monoclonal Antibody detects endogenous levels of AR-α1B protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	ADRA1;Alpha 1B adrenergic receptor;Alpha 1B adrenoceptor;Alpha 1B adrenoreceptor;Alpha-1B adrenergic receptor;AR-α1B;ADRA1B;Alpha-1B adrenoreceptor;Alpha-1B adrenoceptor
Observed Band	60kD
Calculated Molecular Weight	60kD
Cell Pathway	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. signaling in cardiac myocytes. Colocalizes with GNAQ, PLCB1 as well as LAP2 at the nuclear membrane of cardiac myocytes.
Tissue Specificity	Brain,
Function	function:This alpha-adrenergic receptor mediates its action by association with G proteins that activate a phosphatidylinositol-calcium second messenger system.,similarity:Belongs to the G-protein coupled receptor 1 family.,



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],

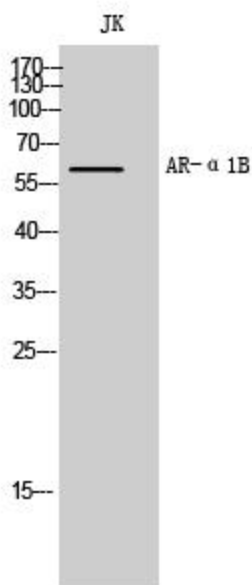
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using AR-α 1B Monoclonal Antibody