



β-Arrestin 1 mouse mAb

Catalog No	YP-Ab-03460
Isotype	IgG
Reactivity	Mouse;Rat;Human
Applications	WB
Gene Name	arrb1
Immunogen	Purified recombinant human beta Arrestin 1 protein fragments expressed in E.coli.
Specificity	This antibody detects endogenous levels of beta Arrestin 1 and does not cross-react with related proteins.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse
Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen.
Dilution	wb 1:500
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	ARB1;ARR1;β-arrestin1;Arrestin 1;arrb1;ARB 1;ARR 1;ARRB 1;ARRB1_HUMAN;Arrestin 2;Arrestin beta 1;Arrestin beta-1;Beta-arrestin-1.
Observed Band	50kD
Calculated Molecular Weight	50kD
Cell Pathway	Cytoplasm. Nucleus. Cell membrane. Membrane, clathrin-coated pit . Cell projection, pseudopodium . Cytoplasmic vesicle. Translocates to the plasma membrane and colocalizes with antagonist-stimulated GPCRs. The monomeric form is predominantly located in the nucleus. The oligomeric form is located in the cytoplasm. Translocates to the nucleus upon stimulation of OPRD1 (By similarity). .
Tissue Specificity	Brain,Peripheral blood,Uterus,
Function	function:Regulates beta-adrenergic receptor function. Beta-arrestins seem to bind phosphorylated beta-adrenergic receptors, thereby causing a significant impairment of their capacity to activate G(S) proteins.,online information:Arrestin entry,similarity:Belongs to the arrestin family.,



Background

Members of arrestin/beta-arrestin protein family are thought to participate in agonist-mediated desensitization of G-protein-coupled receptors and cause specific dampening of cellular responses to stimuli such as hormones, neurotransmitters, or sensory signals. Arrestin beta 1 is a cytosolic protein and acts as a cofactor in the beta-adrenergic receptor kinase (BARK) mediated desensitization of beta-adrenergic receptors. Besides the central nervous system, it is expressed at high levels in peripheral blood leukocytes, and thus the BARK/beta-arrestin system is believed to play a major role in regulating receptor-mediated immune functions. Alternatively spliced transcripts encoding different isoforms of arrestin beta 1 have been described. [provided by RefSeq, Jan 2011],

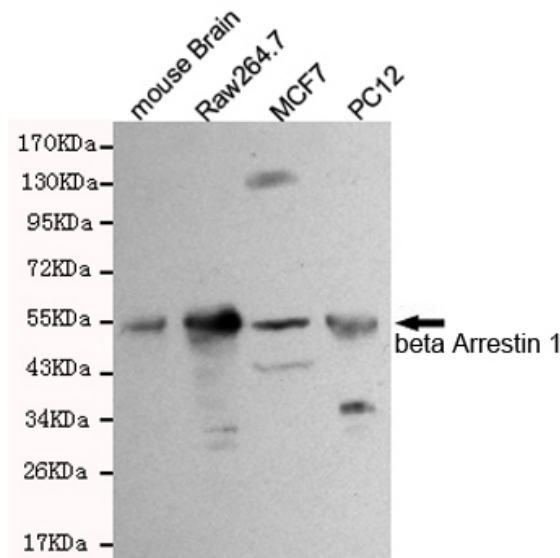
matters needing attention

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 detection of beta Arrestin 1 in PC12, Raw264.7, MCF7 and mouse brain cell lysates using beta Arrestin 1 mouse mAb (1:500 diluted). Predicted band size: 50 kDa. Observed band size: 50 kDa.