



Arrestin-β-2 Monoclonal Antibody

Catalog No	YP-Ab-03432
Isotype	IgG
Reactivity	Human;Mouse;Rat;Pig
Applications	WB;IF
Gene Name	ARRB2
Protein Name	Beta-arrestin-2
Immunogen	Purified recombinant human Arrestin-β-2 (C-terminus) protein fragments expressed in E.coli.
Specificity	Arrestin-β-2 Monoclonal Antibody detects endogenous levels of Arrestin-β-2 protein.
Formulation	Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50% glycerol.
Source	Monoclonal, Mouse
Purification	Affinity purification
Dilution	Western Blot: 1/1000 - 1/2000. Immunofluorescence: 1/100 - 1/500. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	ARRB2; ARB2; ARR2; Beta-arrestin-2; Arrestin beta-2
Observed Band	
Cell Pathway	Cytoplasm. Nucleus. Cell membrane. Membrane, clathrin-coated pit . Cytoplasmic vesicle. Translocates to the plasma membrane and colocalizes with antagonist-stimulated GPCRs.
Tissue Specificity	Brain,Cord blood,Endometrium,Muscle,Pancreas,Testis,Thyroid,
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 2, like arrestin beta 1, was shown to inhibit beta-adrenergic receptor function in vitro. It is expressed at high levels in the central nervous system and may play a role in the regulation of synaptic receptors. Besides the brain, a cDNA for arrestin beta 2 was isolated from thyroid gland, and thus it may also be involved in hormone-specific desensitization of TSH receptors. Multiple alternatively spliced transcript variants



encoding different isoforms have been found for this gene. [provided by RefSeq, Mar 2012],

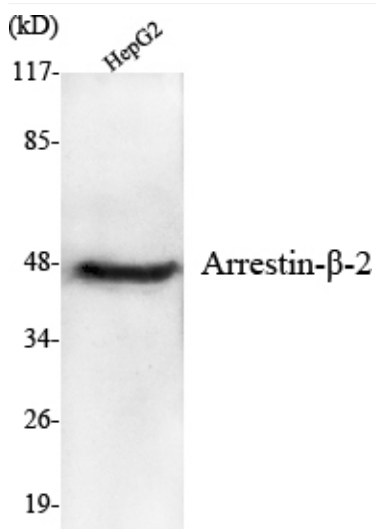
matters needing attention

Avoid repeated freezing and thawing!

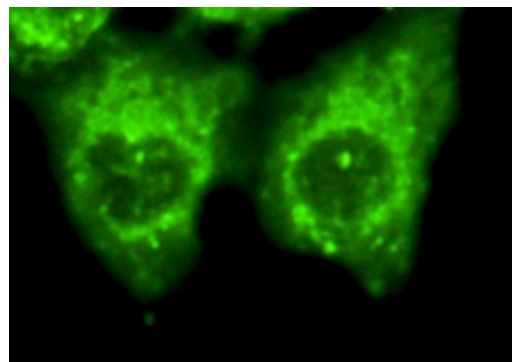
Usage suggestions

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

Products Images



Western Blot analysis using Arrestin-β-2 Monoclonal Antibody against HepG2 cell lysate.



Immunofluorescence analysis of HeLa cells using Arrestin-β-2 Monoclonal Antibody.