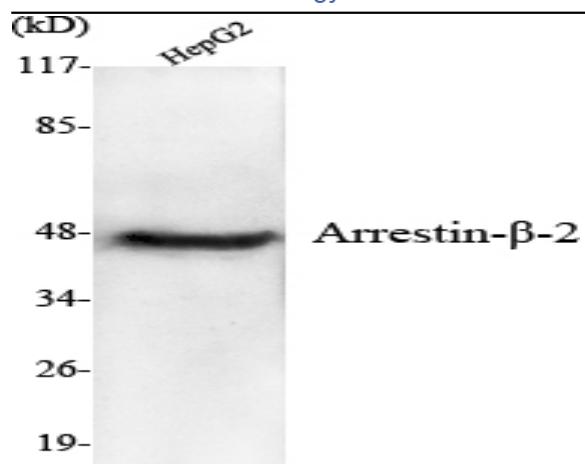


Arrestin- β -2 Monoclonal Antibody

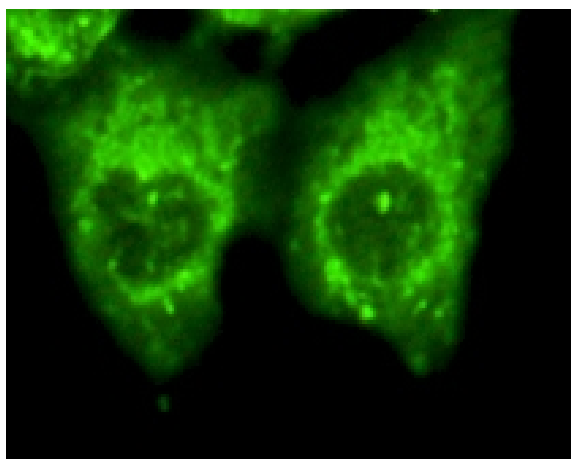
Catalog No :	YM1012
Reactivity :	Human;Mouse;Rat;Pig
Applications :	WB;IF
Target :	Arrestin- β -2
Fields :	>>MAPK signaling pathway;>>Chemokine signaling pathway;>>Endocytosis;>>Hedgehog signaling pathway;>>Dopaminergic synapse;>>Olfactory transduction;>>Relaxin signaling pathway;>>Parathyroid hormone synthesis, secretion and action;>>GnRH secretion;>>Morphine addiction;>>Chemical carcinogenesis - receptor activation
Gene Name :	ARRB2
Protein Name :	Beta-arrestin-2
Human Gene Id :	409
Human Swiss Prot No :	P32121
Mouse Gene Id :	216869
Mouse Swiss Prot No :	Q91YI4
Rat Gene Id :	25388
Rat Swiss Prot No :	P29067
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 :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source :	Monoclonal, Mouse
Dilution :	WB 1:1000 - 1:2000. IF 1:100 - 1:500. Not yet tested in other applications.
Purification :	Affinity purification
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Molecularweight :	46kD
Cell Pathway :	MAPK_ERK_Growth;MAPK_G_Protein;Chemokine;Endocytosis;Olfactory transduction;
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],
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.,
Subcellular Location :	Cytoplasm. Nucleus. Cell membrane. Membrane, clathrin-coated pit . Cytoplasmic vesicle. Translocates to the plasma membrane and colocalizes with antagonist-stimulated GPCRs.
Expression :	Brain,Cord blood,Endometrium,Muscle,Pancreas,Testis,Thyroid,

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.