



# β-Arrestin 1 mouse mAb

<b>Catalog No</b>	YP-Ab-03460
<b>Isotype</b>	IgG
<b>Reactivity</b>	Mouse;Rat;Human
<b>Applications</b>	WB
<b>Gene Name</b>	arrb1
<b>Protein Name</b>	
<b>Immunogen</b>	Purified recombinant human beta Arrestin 1 protein fragments expressed in E.coli.
<b>Specificity</b>	This antibody detects endogenous levels of beta Arrestin 1 and does not cross-react with related proteins.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Monoclonal, Mouse
<b>Purification</b>	The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	wb 1:500
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	ARB 1;ARB 1;ARB1;ARB1;ARR 1;ARR 1;ARR1;ARR1;ARRB 1;ARRB1;ARRB1;ARRB1_HUMAN;Arrestin 2; Arrestin beta 1;Arrestin beta-1;Beta-arrestin-1.
<b>Observed Band</b>	50kD
<b>Cell Pathway</b>	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).
<b>Tissue Specificity</b>	Brain,Peripheral blood,Uterus,
<b>Function</b>	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.,
<b>Background</b>	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],

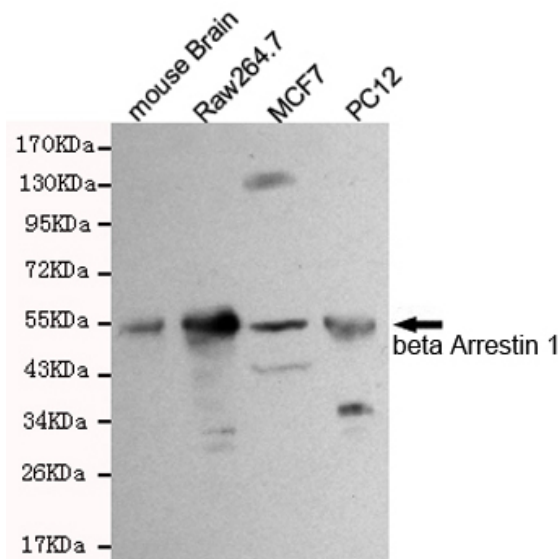
**matters needing attention**

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:50KDa.Observed band size:50KDa.