



β -Arrestin 1

Mouse monoclonal Antibody

#53119

Catalog Number: 53119

Amount: 100 μ g/100 μ l

Swiss-Prot No. : P49407

Gene name: arrb1

Gene id: 408

Clone Number: 1H4-F5-C11

Form of Antibody: Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50% glycerol

Storage/Stability: Store at -20°C/1 year

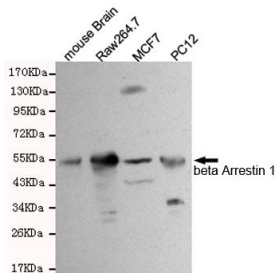
Immunogen: Purified recombinant human β -Arrestin 1 protein fragments expressed in E.coli

Purification: affinity-chromatography

Specificity/Sensitivity: This antibody detects endogenous levels of β -Arrestin 1 and does not cross-react with related proteins

Reactivity: Human, Mouse, Rat

Applications: Predicted MW: 50kd WB: 1:500



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.

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.