

Product datasheet for **TA346886**

beta Arrestin 1 (ARRB1) Mouse Monoclonal Antibody [Clone ID: 1H4-F5-C11]

Product data:

Product Type:	Primary Antibodies
Clone Name:	1H4-F5-C11
Applications:	WB
Recommended Dilution:	WB: 1:500
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	The immunogen for ARRB1 antibody: purified recombinant human beta Arrestin 1 protein fragments expressed in E.coli.
Formulation:	Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine(pH 7.4,150 mM NaCl)with 0.02% sodium azide,0.1mg/mlBSA and 50% glycerol.
Purification:	Affinity purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	50 kDa
Gene Name:	arrestin beta 1
Database Link:	NP_004032 Entrez Gene 25387 Rat Entrez Gene 109689 Mouse Entrez Gene 408 Human P49407



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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]

Synonyms:

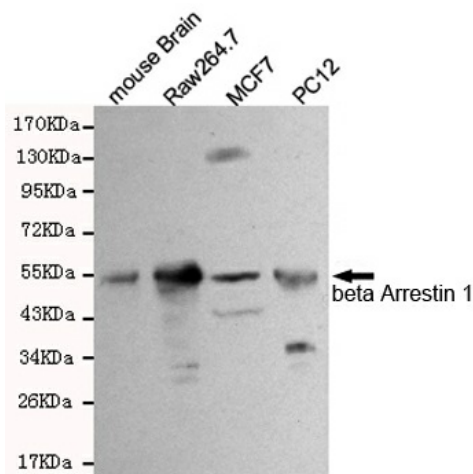
ARB1; ARR1

Protein Families:

Druggable Genome

Protein Pathways:

Chemokine signaling pathway, Endocytosis, MAPK signaling pathway

Product 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.