ARRB2 Polyclonal Antibody

E911171

Catalog Number: E91171
Amount: 100ul
Background: Arrestin proteins function as negative regulators of G protein-coupled receptor (GPCR) signaling. Cognate ligand binding stimulates GPCR phosphorylation, which is followed by binding of arrestin to the phosphorylated GPCR and the eventual internalization of the receptor and desensitization of GPCR signaling (1). Four distinct mammalian arrestin proteins are known. Arrestin 1 (also known as S-arrestin) and arrestin 4 (X-arrestin) are localized to retinal rods and cones, respectively. Arrestin 2 (also known as β-arrestin 1) and arrestin 3 (β-arrestin 2) are ubiquitously expressed and bind to most GPCRs (2). β-arrestins function as adaptor and scaffold proteins and play important roles in other processes, such as recruiting c-Src family proteins to GPCRs in Erk activation pathways (3,4). β-arrestins are also involved in some receptor tyrosine kinase signaling pathways (5-8). Additional evidence suggests that β-arrestins translocate to the nucleus and help regulate transcription by binding transcriptional cofactors (9,10).
Species: Rabbit
Isotype: IgG
Storage/Stability: Store at -20oC or -80oC. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Synonyms: ARRB2;ARB2;ARR2;BARR2;DKFZp686L0365 ;Beta Arrestin 2
Immunogen: Recombinant proteinof human ARRB2
Purification: Affinity purification
Reactivity: H M R
Applications: WB IHC
Molecular Weight: 46kDa
Swiss-Prot No. : P32121
Gene ID: 409
References: 1. Shenoy, S.K. and Lefkowitz, R.J. (2005) Sci STKE 2005, cm10. 2. Lefkowitz, R.J. and Shenoy, S.K. (2005) Science 308, 512-7. 3. Luttrell, L.M. et al. (1999) Science 283, 655-61. 4. Luttrell, L.M. et al. (1999) Curr Opin Cell Biol 11, 177-83. 5. Luttrell, L.M. and Lefkowitz, R.J. (2002) J Cell Sci 115, 455-65. 6. Waters, C. et al. (2004) Semin Cell Dev Biol 15, 309-23. 7. Lefkowitz, R.J. and Whalen, E.J. (2004) Curr Opin Cell Biol 16, 162-8. 8. Waters, C.M. et al. (2005) Cell Signal 17, 263-77. 9. Kang, J. et al. (2005) Cell 123, 833-47. 10. Ma, L. and Pei, G. (2007) J Cell Sci 120, 213-8.

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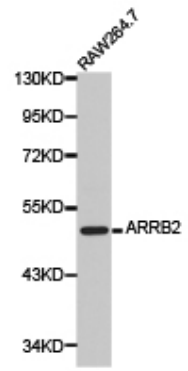
WB 1:500 - 1:2000

IHC 1:50- 1:200



Western blot analysis of RAW264.7 cell lysate using ARRB2 antibody.

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