**Product Name: Arrestin-β-1 Rabbit Polyclonal Antibody**
**Catalog #: APRab07171**

## Summary

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|---|---|
| **Production Name** | Arrestin-β-1 Rabbit Polyclonal Antibody |
| **Description** | Rabbit Polyclonal Antibody |
| **Host** | Rabbit |
| **Application** | WB |
| **Reactivity** | Human,Mouse,Rat |

## Performance

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|---|---|
| **Conjugation** | Unconjugated |
| **Modification** | Unmodified |
| **Isotype** | IgG |
| **Clonality** | Polyclonal |
| **Form** | Liquid |
| **Storage** | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles. |
| **Buffer** | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N. |
| **Purification** | Affinity purification |

## Immunogen

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|---|---|
| **Gene Name** | ARRB1 |
| **Alternative Names** | ARRB1; ARR1; Beta-arrestin-1; Arrestin beta-1 |
| **Gene ID** | 408.0 |
| **SwissProt ID** | P49407.The antiserum was produced against synthesized peptide derived from human ARRB1. AA range:369-418 |

## Application

| | |
|---|---|
| **Dilution Ratio** | WB 1:500-1:2000. ELISA: 1:10000. |
| **Molecular Weight** | 50kD |

## Background

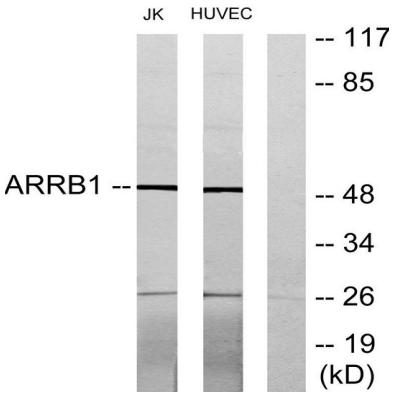
Members of arrestin/beta-arrestin protein family are thought to participate in agonist-mediated desensitization of G-

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],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.,

## Research Area

MAPK_ERK_Growth;MAPK_G_Protein;Chemokine;Endocytosis;

## Image Data




Western blot analysis of lysates from Jurkat and HUVEC cells, using ARRB1 Antibody. The lane on the right is blocked with the synthesized peptide.

## Note

For research use only.