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## 11-8059: Polyclonal Antibody to Beta-arrestin 1

Clonality: Polyclonal

WB Application: Reactivity: Human ARRB1 Gene: Gene ID: 408 P49407 **Uniprot ID:** Format: Purified **Alternative Name:** ARRB1, ARR1 Isotype: Rabbit IgG

Immunogen Information: A partial length recombinant Beta-arrestin 1 protein (amino acids 150-318) was used as the

immunogen for this antibody.

## **Description**

Beta-arrestin 1, a member of arrestin family, is a cofactor of beta-adrenergic receptor kinase (BARK) in beta-adrenergic receptor desensitization and resensitization process. Beta-arrestin 1 acts as endocytic adapter for internalization of many G-protein coupled receptors. Beta-arrestin 1 is also associated with many other cellular processes like ubiquitination and down-regulation of the insulin-like growth factor-1 receptor, synaptic transmission in photoreceptor cells, working as a scaffold protein in G-protein coupled receptor signaling pathways. Two isoforms of beta-arrestin 1 have been identified, isoform 1 (47 kDa) and isoform 2 (46 kDa). Beta-arrestin 1 is highly expressed in liver, kidney, lungs and testes.

## **Product Info**

**Amount :** 25 μg / 100 μg

Purification: Protein A Chromatography

Content: 25 μg in 50 μl/100 μg in 200 μl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium

azide is highly toxic.

Storage condition:

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Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid

repeated freeze and thaw cycles.

## **Application Note**

Western blot analysis: 2-4 µg/ml

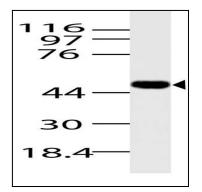


Fig-1: Western blot analysis of Beta-arrestin 1. Anti-Beta-arrestin 1 antibody (11-8059) was used at 4  $\mu$ g/ml on Spleen lysate.