

# $\beta$ -arrestin1 Rabbit pAb

**Catalog No.:** A0998

## Basic Information

**Catalog No.**

A0998

**Observed MW**

56kDa

**Calculated MW**

46kDa/47kDa

**Category**

Primary antibody

**Applications**

WB, IHC, IF, IP

**Cross-Reactivity**

Human, Mouse, Rat

## Recommended Dilutions

<b>WB</b>	1:500 - 1:2000
<b>IHC</b>	1:50 - 1:200
<b>IF</b>	1:20 - 1:100
<b>IP</b>	1:50 - 1:100

## Contact

 | [www.abclonal.com](http://www.abclonal.com)

## 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.

## Immunogen Information

<b>Gene ID</b>	<b>Swiss Prot</b>
408	P49407

**Immunogen**

Recombinant fusion protein containing a sequence corresponding to amino acids 169-418 of human  $\beta$ -arrestin1 (NP\_004032.2).

**Synonyms**

ARRB1;ARB1;ARR1

## Product Information

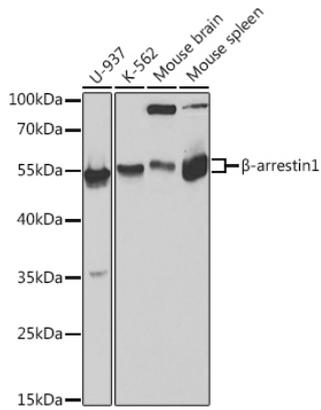
<b>Source</b>	<b>Isotype</b>	<b>Purification</b>
Rabbit	IgG	Affinity purification

**Storage**

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

## Validation Data

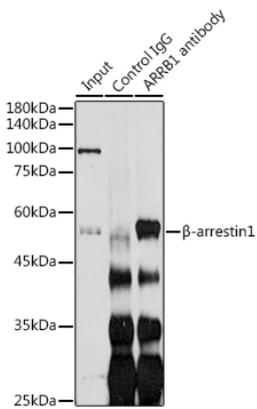


Western blot analysis of extracts of various cell lines, using  $\beta$ -arrestin1 antibody (A0998) at 1:1000 dilution.

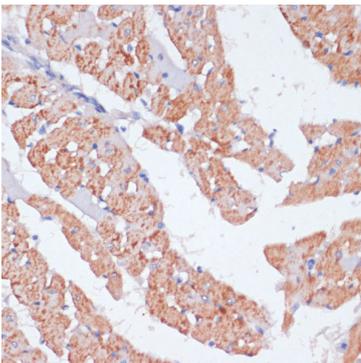
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25ug per lane.

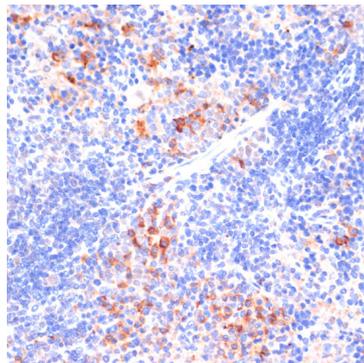
Blocking buffer: 3% nonfat dry milk in TBST.



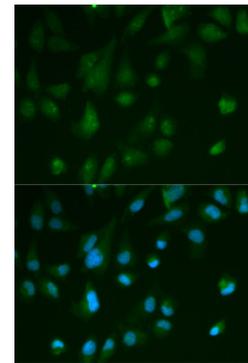
Immunoprecipitation analysis of 200ug extracts of SH-SY5Y cells using 3ug  $\beta$ -arrestin1 antibody (A0998). Western blot was performed from the immunoprecipitate using  $\beta$ -arrestin1 (A0998) at a dilution of 1:1000.



Immunohistochemistry of paraffin-embedded rat heart using  $\beta$ -arrestin1 antibody (A0998) at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded mouse spleen using  $\beta$ -arrestin1 antibody (A0998) at dilution of 1:100 (40x lens).



Immunofluorescence analysis of HeLa cells using  $\beta$ -arrestin1 antibody (A0998). Blue: DAPI for nuclear staining.