

**产品名称: Arrestin- $\beta$ -1 Rabbit Polyclonal Antibody**  
**产品货号: APRab07170**



## 产品概述 (Summary)

|                        |                                                 |
|------------------------|-------------------------------------------------|
| 产品名称 (Production Name) | Arrestin- $\beta$ -1 Rabbit Polyclonal Antibody |
| 描述 (Description)       | Rabbit polyclonal Antibody                      |
| 宿主 (Host)              | Rabbit                                          |
| 应用 (Application)       | WB,IHC,ICC/IF,ELISA                             |
| 种属反应性 (Reactivity)     | Human,Monkey                                    |

## 产品性能 (Performance)

|                     |                                                                                                   |
|---------------------|---------------------------------------------------------------------------------------------------|
| 偶联物 (Conjugation)   | Unconjugated                                                                                      |
| 修饰 (Modification)   | Unmodified                                                                                        |
| 同种型 (Isotype)       | IgG                                                                                               |
| 克隆 (Clonality)      | Polyclonal                                                                                        |
| 形式 (Form)           | Liquid                                                                                            |
| 存放说明 (Storage)      | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.          |
| 储存溶液 (Buffer)       | Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N. |
| 纯化方式 (Purification) | Affinity purification                                                                             |

## 免疫原信息 (Immunogen)

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

## 产品应用 (Application)

|                          |                                                                          |
|--------------------------|--------------------------------------------------------------------------|
| 稀释比 (Dilution Ratio)     | WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:200-1:1000,ELISA 1:5000-1:20000 |
| 蛋白分子量 (Molecular Weight) | 47kDa                                                                    |

## 研究背景 (Background)

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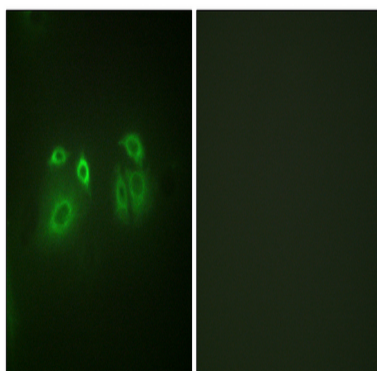


Members of arrestin/beta-arrestin protein family are thought to participate in agonist-mediated desensitization of G-protein-coupled receptors and cause specific dampening of cellular responses to stimuli such as hormones, neurotransmitters, or sensory signals. Arrestin beta 1 is a cytosolic protein 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.,

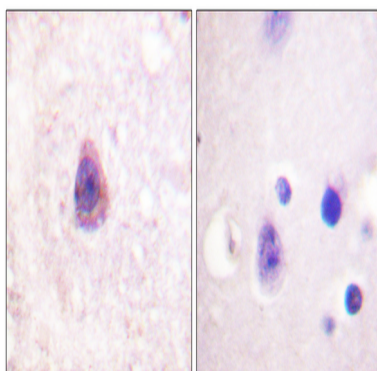
### 研究领域 (Research Area)

MAPK\_ERK\_Growth;MAPK\_G\_Protein;Chemokine;Endocytosis;

### 图片 (Image Data)

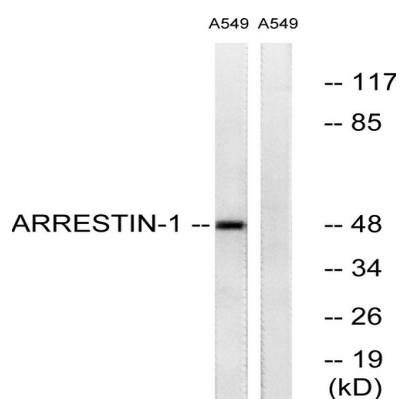


Immunofluorescence analysis of A549 cells, using Arrestin 1 Antibody. The picture on the right is blocked with the synthesized peptide.

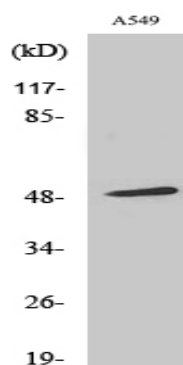


Immunohistochemistry analysis of paraffin-embedded human brain tissue, using Arrestin 1 Antibody. The picture on the right is blocked with the synthesized peptide.

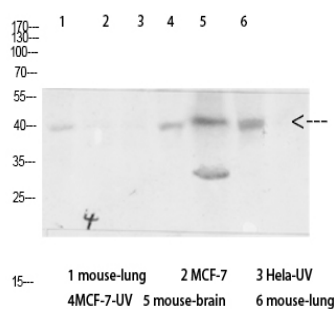
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Western blot analysis of lysates from A549 cells, treated with Etoposide 25uM 60', using Arrestin 1 Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using Arrestin- $\beta$ -1 Polyclonal Antibody diluted at 1: 500



Western Blot analysis of various cells using Antibody diluted at 1:1000. Secondary antibody was diluted at 1:20000

## 注意事项 (Note)

For research use only .