



## Arrestin- $\beta$ -1 Polyclonal Antibody

Cat #: ABP50711

Size: 30 $\mu$ l /100 $\mu$ l /200 $\mu$ l

### Product Information

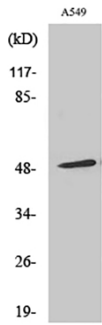
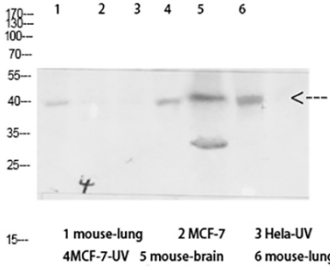
	<b>Product Name:</b> Arrestin- $\beta$ -1 Polyclonal Antibody		
	<b>Applications:</b> WB , IHC-P, IF, ELISA		<b>Isotype:</b> Rabbit IgG
	<b>Reactivity:</b> Human, Monkey		
<b>REF</b>	<b>Catalog Number:</b> ABP50711	<b>LOT</b>	<b>Lot Number:</b> Refer to product label
	<b>Formulation:</b> Liquid		<b>Concentration:</b> 1 mg/ml
	<b>Storage:</b> Store at -20°C. Avoid repeated freeze / thaw cycles.		<b>Note:</b> Contain sodium azide.

**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.

**Application Notes:** Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows: WB (1:500-1:2000), IHC-P (1:100-1:300), IF (1:200-1:1000), ELISA (1:10000). Not yet tested in other applications.

**Storage Buffer:** PBS containing 50% Glycerol, 0.5% BSA and 0.02% Sodium Azide.

**Storage Instructions:** Stable for one year at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing.

 <p>A549</p> <p>(kD)</p> <p>117-</p> <p>85-</p> <p>48-</p> <p>34-</p> <p>26-</p> <p>19-</p>	<p>Fig.1. Western Blot analysis of various cells using Arrestin-β-1 Polyclonal Antibody diluted at 1:500.</p>
 <p>170—</p> <p>150—</p> <p>100—</p> <p>70—</p> <p>55—</p> <p>40—</p> <p>35—</p> <p>25—</p> <p>15—</p> <p>1 2 3 4 5 6</p> <p>1 mouse-lung 2 MCF-7 3 HeLa-UV</p> <p>4MCF-7-UV 5 mouse-brain 6 mouse-lung</p>	<p>Fig.2. Western Blot analysis of various cells using Antibody diluted at 1:1000. Secondary antibody was diluted at 1:20000.</p>

**Note:** The product listed herein is for research use only and is not intended for use in human or clinical diagnosis. Suggested applications of our products are not recommendations to use our products in violation of any patent or as a license. We cannot be responsible for patent infringements or other violations that may occur with the use of this product.