

**Product Name: Phospho-beta Arrestin 1 (Ser412) Rabbit  
Monoclonal Antibody  
Catalog #: AMRe02839**

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## Summary

<b>Production Name</b>	Phospho-beta Arrestin 1 (Ser412) Rabbit Monoclonal Antibody
<b>Description</b>	Recombinant Rabbit Monoclonal antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,IHC-P,IP
<b>Reactivity</b>	Human

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Phosphorylated
<b>Isotype</b>	IgG
<b>Clonality</b>	Monoclonal Antibody
<b>Form</b>	Liquid
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Buffer</b>	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
<b>Purification</b>	Affinity Purified

## Immunogen

<b>Gene Name</b>	ARRB1
<b>Alternative Names</b>	ARB1; ARR1; ARRB1; ARRB1_HUMAN; Arrestin 2; Arrestin beta 1; Arrestin beta-1; Beta-arrestin-1.
<b>Gene ID</b>	408
<b>SwissProt ID</b>	P49407

## Application

<b>Dilution Ratio</b>	WB: 1/500-1/1000 IHC: 1/50-1/100 IP: 1/20
<b>Molecular Weight</b>	Calculated MW: 47 kDa; Observed MW: 50 kDa

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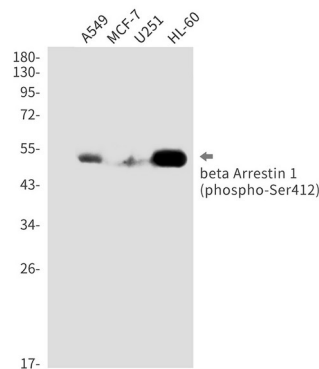
## Background

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]

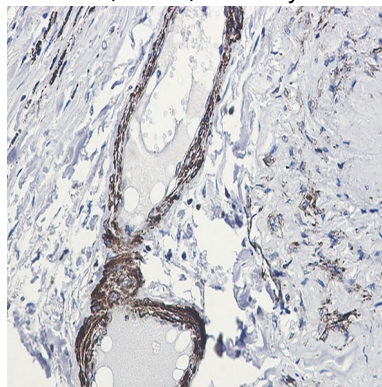
## Research Area

Signal Transduction

## Image Data



Western blot analysis of Phospho-beta Arrestin 1 (Ser412) in A549, MCF-7, U251, HL-60 lysates using Phospho-beta Arrestin 1 (Ser412) antibody.



Immunohistochemistry analysis of paraffin-embedded Human lung cancer using beta Arrestin 1 (Phospho-Ser412) antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.

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**Note**

For research use only.