

## Phospho-Arrestin-Beta-1 (S412) Polyclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-PHS00642
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Size</b>	20ul, 50ul, 100ul
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human Arrestin 1 around the phosphorylation site of Ser412. AA range:369-418
<b>Mol wt</b>	47066
<b>Species reactivity</b>	Human, monkey
<b>Clonality</b>	Polyclonal
<b>Recommended application</b>	WB, IHC-p, ELISA
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	Phospho-Arrestin-beta-1 (S412) Antibody
<b>Synonyms</b>	ARRB1; ARR1; Beta-arrestin-1; Arrestin beta-1

**This product is for research use only, not for use in human, therapeutic or diagnostic procedure.**

### 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.

### Recommended Dilution

WB: 1: 500 - 1: 2000

IHC: 1: 100 - 1: 300

ELISA: 1: 10000

Not yet tested in other applications.

### Images

No images.

### Storage

-20°C for one year