

## PHOSPHO-BETA ARRESTIN 1 (SER412) RABBIT MAB

**Cat.#:** N263151

**Product Name:** Anti-Phospho-beta Arrestin 1 (Ser412) Rabbit Monoclonal Antibody

**Synonyms:** ARB1; ARR1; ARRB1; ARRB1\_HUMAN; Arrestin 2; Arrestin beta 1; Arrestin beta-1; Beta-arrestin-1.

**UNIPROT ID:** P49407

**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]

**Immunogen:** A synthetic phosphopeptide corresponding to residues surrounding Ser412 of human beta Arrestin 1

**Applications:** WB,IHC-P,IP

**Recommended Dilutions:** WB: 1/500-1/1000 IHC: 1/50-1/100 IP: 1/20

**Host Species:** Rabbit

**Clonality:** Rabbit Monoclonal

**Clone ID:** R05-6F7

**MW:** Calculated MW: 47 kDa; Observed MW: 50 kDa

**Isotype:** IgG

**Purification:** Affinity Purified

**Species Reactivity:** Human

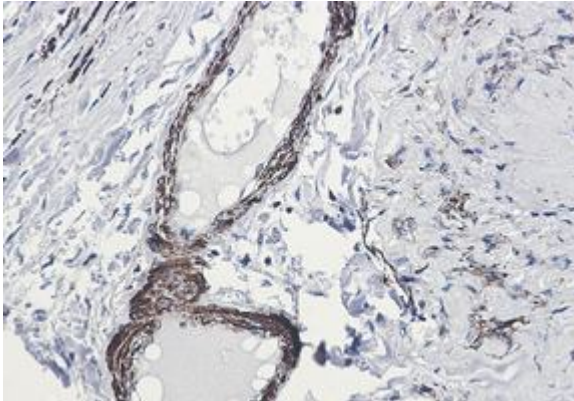
**Conjugation:** Unconjugated

**Modification:** Phosphorylated

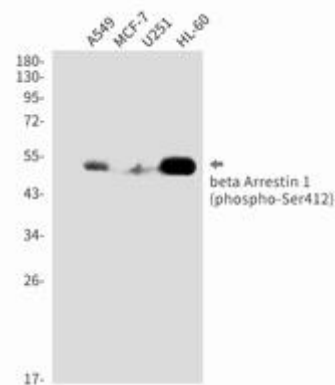
**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.3 containing 50% glycerol, 0.5% BSA and 0.02% sodium azide

**Research Areas:** Signal Transduction

**Storage & Shipping:** Store at -20°C. Avoid repeated freezing and thawing



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.



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