

## Product datasheet for **AP55695PU-N**

### beta Arrestin 1 (ARRB1) pSer412 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	Western blot: 1:500~1:1000. Immunohistochemistry on paraffin sections: 1:50~1:100.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Peptide sequence around phosphorylation site of Serine 412 (T-G-S(p)-P-Q) derived from Human Arrestin 1 (KLH-conjugated)
Specificity:	The antibody detects endogenous levels of Arrestin-1 only when phosphorylated at serine 412.
Formulation:	Rabbit IgG in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol State: Aff - Purified State: Liquid Ig fraction
Concentration:	lot specific
Purification:	Affinity chromatography using epitope-specific peptide
Conjugation:	Unconjugated
Storage:	Upon receipt, store undiluted (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	50 kDa
Gene Name:	arrestin beta 1
Database Link:	<a href="#">Entrez Gene 408 Human P49407</a>



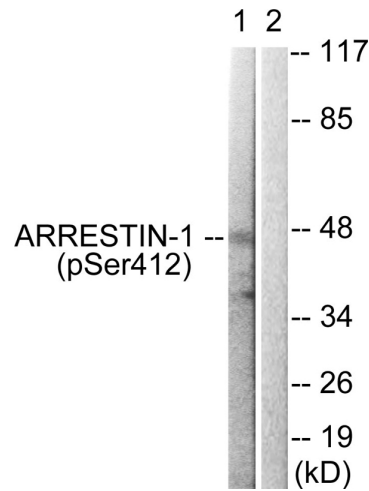
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**Background:**

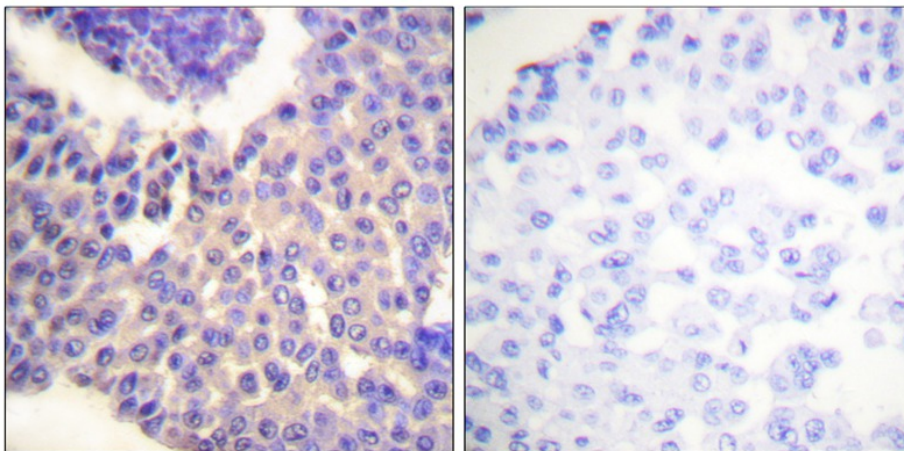
Functions in regulating agonist-mediated G-protein coupled receptor (GPCR) signaling by mediating both receptor desensitization and resensitization processes. During homologous desensitization, beta-arrestins bind to the GPCR-phosphorylated receptor and sterically preclude its coupling to the cognate G-protein; the binding appears to require additional receptor determinants exposed only in the active receptor conformation.

**Synonyms:**

ARR1, Beta-arrestin-1

**Product images:**


Western blot analysis of extracts from COS7 cells treated with Etoposide using Arrestin 1 (Phospho-Ser412) Antibody. The lane on the right is treated with the antigen-specific peptide.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using Arrestin 1 (Phospho-Ser412) antibody (left) or the same antibody preincubated with blocking peptide (right).