

Rabbit anti-Human Arrestin 1 Polyclonal Antibody | anti-ARRB1 antibody

Arrestin 1 (Phospho-Ser412) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA302246	Rabbit	Human	Immunohistochemistry, Western Blot

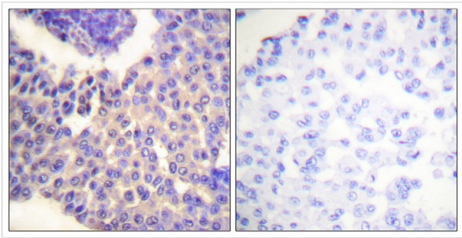
PRODUCT SYNONYMS

Arrestin 1; Polyclonal Antibody; Arrestin 1 (Phospho-Ser412) Antibody; ARR1; arrestin 2; arrestin beta 1; beta-arrestin-1; anti-ARRB1 antibody

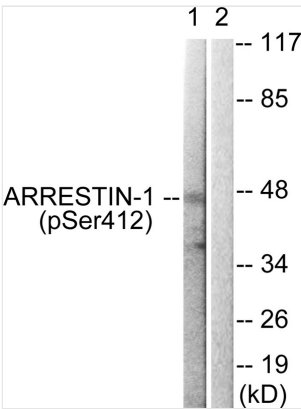
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Specificity	The antibody detects endogenous levels of Arrestin-1 only when phosphorylated at serine 412.
Purity/Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using
Form/Format	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	418
Applicable Applications for anti-ARRB1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of Serine 412 (T-G-S(p)-P-Q) derived from Human Arrestin 1.
Modification	Phospho-Ser412
Target Name	Arrestin 1
Preparation and Storage	Store at -20 degree C/1 year

IMAGES



IHC (Immunohistochemistry)
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).



WB (Western Blot)
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.

ADDITIONAL INFORMATION

Related Product Information for anti-ARRB1 antibody	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 GPRK-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. Greg Buchanan. AACR Meeting Abstracts, Apr 2006; 2006: 430. D. Alex Groarke. Mol. Pharmacol., Feb 2001; 59: 375. Karen McConalogue. Mol. Biol. Cell, Aug 1998; 9: 2305. Maria Stella Lombardi. Stroke, Apr 2004; 35: 981 - 986.
Product Categories/Family for anti-ARRB1 antibody	Phospho-specific Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	10880136
NCBI GeneID	408
NCBI Accession #	NP_004032.2
NCBI GenBank Nucleotide #	NM_004041.4
UniProt Accession #	P49407; O75625; O75630; Q2PP20; Q9BTK8; B6V9G8
Molecular Weight	46,309 Da
NCBI Official Full Name	beta-arrestin-1 isoform A
NCBI Official Synonym Full Names	arrestin, beta 1
NCBI Official Symbol	ARRB1
NCBI Official Synonym Symbols	ARB1; ARR1
NCBI Protein Information	beta-arrestin-1
UniProt Protein Name	Beta-arrestin-1
UniProt Gene Name	ARRB1
UniProt Synonym Gene Names	ARR1
UniProt Entry Name	ARRB1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/arrestin-1-antibody-immunohistochemistry-western-blot-elisa/302246>