

Datasheet for ABIN950521

anti-beta Arrestin 1 antibody (C-Term)

4 Images

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Overview

Quantity:	0.4 mL
Target:	beta Arrestin 1 (ARRB1)
Binding Specificity:	AA 343-371, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This beta Arrestin 1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 343-371 amino acids from the C-terminal region of human ARRB1
Isotype:	Ig Fraction
Specificity:	This antibody reacts to Arrestin beta-1.
Cross-Reactivity (Details):	Species reactivity (tested):Human.
Purification:	Affinity chromatography on Protein A

Target Details

Target:	beta Arrestin 1 (ARRB1)
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Target Details

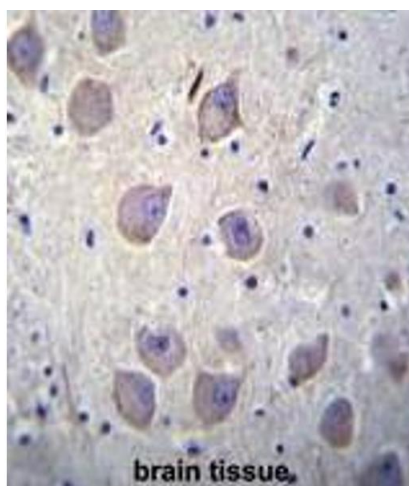
Alternative Name:	Arrestin beta-1 / ARRB1 (ARRB1 Products)
Background:	Members of arrestin/beta-arrestin protein family are thought to participate in agonist-mediated desensitization of G-protein-coupled receptors and cause specific dampening of cellular responses to stimuli such as hormones, neurotransmitters, 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, however, their exact functions are not known.Synonyms: ARR1, Beta-arrestin-1
Gene ID:	408
NCBI Accession:	NP_004032
Pathways:	Positive Regulation of Peptide Hormone Secretion , Nuclear Hormone Receptor Binding , cAMP Metabolic Process , Myometrial Relaxation and Contraction , Synaptic Membrane , Regulation of G-Protein Coupled Receptor Protein Signaling , Phototransduction

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

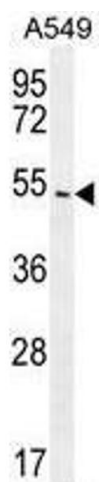
Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS containing 0.09 % (W/V) sodium azide as preservative
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



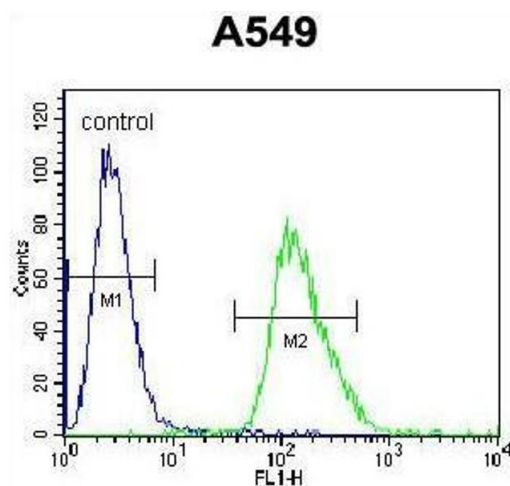
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. ARRB1 Antibody (C-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of ARRB1 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



Western Blotting

Image 2. ARRB1 Antibody (C-term) western blot analysis in A549 cell line lysates (35µg/lane). This demonstrates the ARRB1 antibody detected the ARRB1 protein (arrow).



Flow Cytometry

Image 3. ARRB1 Antibody (C-term) flow cytometric analysis of A549 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN950521.