Product Name: Arrestin-β-1 Rabbit Polyclonal Antibody
Catalog #: APRab07170

Summary

Production Name	Arrestin-β-1 Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	IF,IHC,WB,ELISA
Reactivity	Human,Monkey

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	ARRB1
Alternative Names	ARRB1; ARR1; Beta-arrestin-1; Arrestin beta-1
Gene ID	408.0
SwissProt ID	P49407.The antiserum was produced against synthesized peptide derived from human Arrestin 1. AA range:369-418

Application

Dilution Ratio	WB 1:500 - 1:2000. IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:10000. Not yet tested in other applications.
Molecular Weight	47kD

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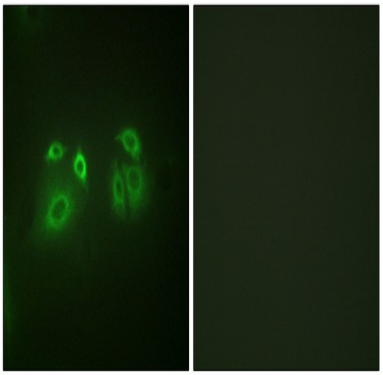
Background

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],function:Regulates beta-adrenergic receptor function. Beta-arrestins seem to bind phosphorylated beta-adrenergic receptors, thereby causing a significant impairment of their capacity to activate G(S) proteins.,online information:Arrestin entry,similarity:Belongs to the arrestin family.,

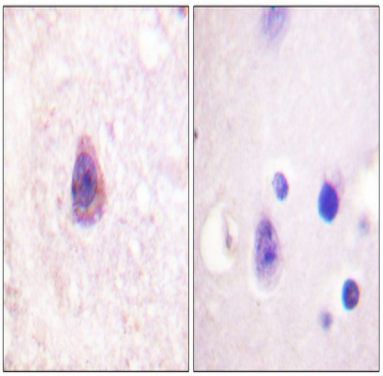
Research Area

MAPK_ERK_Growth;MAPK_G_Protein;Chemokine;Endocytosis;

Image Data



Immunofluorescence analysis of A549 cells, using Arrestin 1 Antibody. The picture on the right is blocked with the synthesized peptide.



Immunohistochemistry analysis of paraffin-embedded human brain tissue, using Arrestin 1 Antibody. The picture on the right is blocked with the synthesized peptide.

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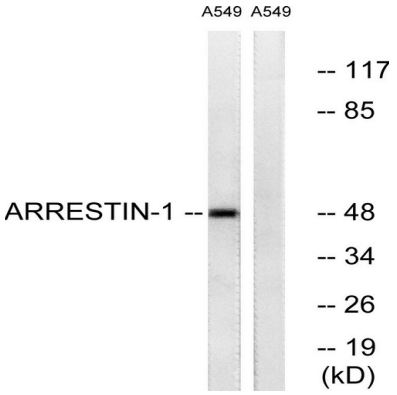
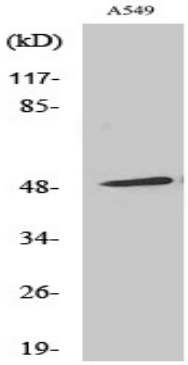
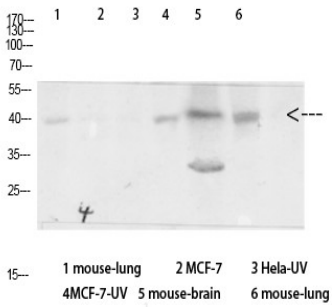


Western blot analysis of lysates from A549 cells, treated with Etoposide 25uM 60 ', using Arrestin 1 Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using Arrestin-β-1 Polyclonal Antibody diluted at 1: 500



Western Blot analysis of various cells using Antibody diluted at 1:1000. Secondary antibody was diluted at 1:20000

Note

For research use only.