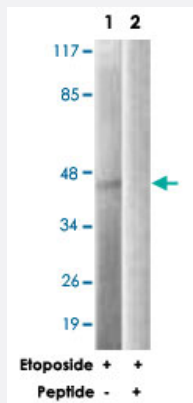


ARRB1 polyclonal antibody

Catalog # PAB18161 Size 100 ug

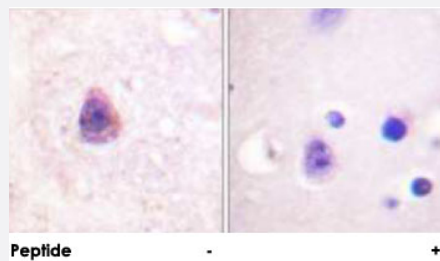
Applications



Western Blot (Cell lysate)

Western blot analysis of extracts from COS-7 cells, treated with Etoposide (25 uM, 60 mins), using ARRB1 polyclonal antibody (Cat # PAB18161).

Peptide "+" means "peptide blocking".



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human brain tissue using ARRB1 polyclonal antibody (Cat # PAB18161).

Peptide "+" means "peptide blocking".



Immunofluorescence

Immunofluorescence analysis of A-549 cells, using ARRB1 polyclonal antibody (Cat # PAB18161).

Peptide "+" means "peptide blocking".

Specification

Product Description

Rabbit polyclonal antibody raised against synthetic peptide of ARRB1.

Immunogen	A synthetic peptide corresponding to human ARRB1.
Host	Rabbit
Reactivity	Human
Specificity	This antibody is specific to ARRB1.
Form	Liquid
Purification	Affinity purification
Concentration	1 mg/mL
Recommend Usage	Western Blot (1:500-1:1000) Immunohistochemistry (1:50-1:100) Immunofluorescence (1:500-1:1000) ELISA (1:10000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — ARRB1

Entrez GeneID [408](#)

Protein Accession# [P49407](#)

Gene Name ARRB1

Gene Alias ARB1, ARR1

Gene Description arrestin, beta 1

Omim ID [107940](#)

Gene Ontology [Hyperlink](#)

Gene Summary

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. [provided by RefSeq]

Other Designations arrestin 2|arrestin beta 1

Publication Reference

- [Hypoxia/ischemia modulates G protein-coupled receptor kinase 2 and beta-arrestin-1 levels in the neonatal rat brain.](#)

Lombardi MS, van den Tweel E, Kavelaars A, Groenendaal F, van Bel F, Heijnen CJ.
Stroke 2004 Apr; 35(4):981.

Application: WB, Rat, Rat brains

- [Analysis of the C-terminal tail of the rat thyrotropin-releasing hormone receptor-1 in interactions and cointernalization with beta-arrestin 1-green fluorescent protein.](#)

Groarke DA, Drmota T, Bahia DS, Evans NA, Wilson S, Milligan G.
Molecular Pharmacology 2001 Feb; 59(2):375.

Pathway

- [Chemokine signaling pathway](#)

- [Endocytosis](#)
- [MAPK signaling pathway](#)

Disease

- [Asthma](#)
- [Genetic Predisposition to Disease](#)
- [Tobacco Use Disorder](#)