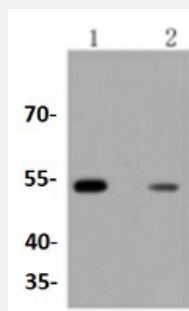


RecomAb™

ARRB1 recombinant monoclonal antibody

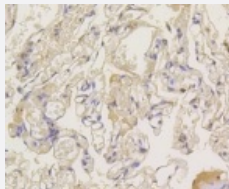
Catalog # RAB02758 Size 100 uL

Applications



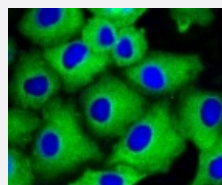
Western Blot (Cell lysate)

Western blot analysis of Lane1:PC12 whole cell lysate Lane2:Jurkat whole cell lysate with ARRB1 recombinant monoclonal antibody (Cat # RAB02758) at 1:1000 dilution.



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

Immunohistochemical analysis of paraffin-embedded human lung tissue using ARRB1 recombinant monoclonal antibody (Cat # RAB02758).Counter stained with hematoxylin.



Immunocytochemistry

Immunocytochemical staining of A549 cells using ARRB1 recombinant monoclonal antibody (Cat # RAB02758)(green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton *100/PBS.

Specification

Product Description

Rabbit recombinant monoclonal antibody raised against ARRB1.

Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant ARRB1.
Theoretical MW (kDa)	50
Reactivity	Human, Mouse, Rat
Specificity	This antibody detects endogenous levels of Arrestin-beta-1 and does not cross-react with related proteins.
Form	Liquid
Purification	Protein A purification
Isotype	IgG
Recommend Usage	Flow Cytometry (1:50-1:100) Immunocytochemistry (1:50-1:200) Immunofluorescence (1:50-1:200) Immunohistochemistry (1:50-1:100) Western Blot (1:1000-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.2 (50% glycerol and 0.02% sodium azide)
Storage Instruction	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze-thaw cycles.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

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- Immunofluorescence
- Flow Cytometry

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

Pathway

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

Disease

- [Asthma](#)

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