Datasheet for ABIN3021620

anti-Arrestin 3 antibody (AA 300-400)

6 Images

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Overview

Quantity:	100 µL
Target:	Arrestin 3 (ARRB2)
Binding Specificity:	AA 300-400
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Arrestin 3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	A synthetic peptide corresponding to a sequence within amino acids 300-400 of human ARRB2 (NP_004304.1).
Sequence:	NLASSTIVKE GANKEVLGIL VSYRVKVKLV VSRGGDVSVE LPFVLMHPKP HDHIPLPRPQ SAAPETDVPV DTNLIEFDTN YATDDDIVFE DFARLRLKGM K
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	Arrestin 3 (ARRB2)
Alternative Name:	ARRB2 (ARRB2 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 2, like arrestin beta 1, was shown to inhibit beta-adrenergic receptor function in vitro. It is expressed at high levels in the central nervous system and may play a role in the regulation of synaptic receptors. Besides the brain, a cDNA for arrestin beta 2 was isolated from thyroid gland, and thus it may also be involved in hormone-specific desensitization of TSH receptors. Multiple alternatively spliced transcript variants encoding different isoforms have been found for this gene.,ARRB2,ARB2,ARR2,BARR2,Signal Transduction,G protein signaling,G2/M DNA Damage Checkpoint,Cell Biology & Developmental Biology,Hedgehog Signaling Pathway,Notch Signaling Pathway,ARRB2
Molecular Weight:	44 kDa/45 kDa/46 kDa/47 kDa/48 kDa
Gene ID:	409
UniProt:	P32121
Pathways:	Intracellular Steroid Hormone Receptor Signaling Pathway, Regulation of Intracellular Steroid Hormone Receptor Signaling, cAMP Metabolic Process, Myometrial Relaxation and Contraction, Regulation of Leukocyte Mediated Immunity, Synaptic Membrane, Regulation of G-Protein Coupled Receptor Protein Signaling, CXCR4-mediated Signaling Events, Phototransduction, Thromboxane A2 Receptor Signaling

Application Details

Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:200,IF,1:50 - 1:200
Restrictions:	For Research Use only

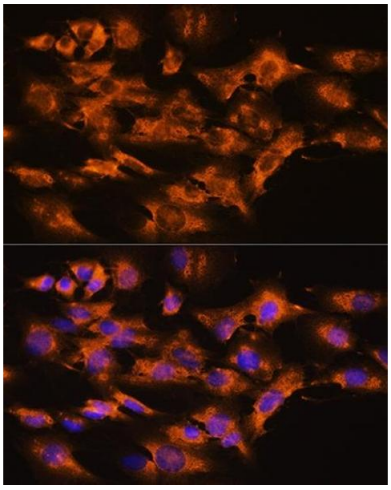
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

Handling

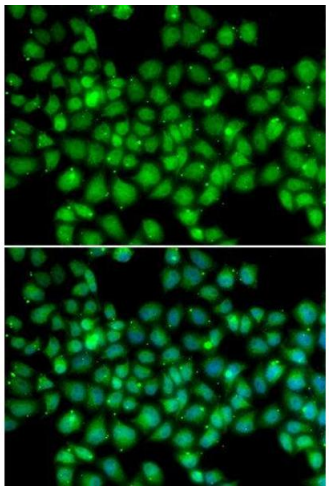
	should be handled by trained staff only.
Handling Advice:	Avoid freeze / thaw cycles
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

Images



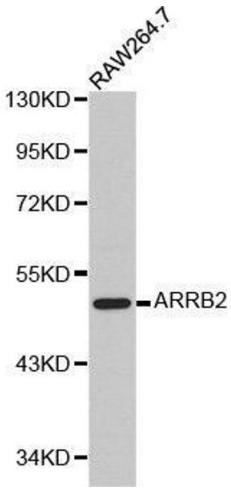
Immunofluorescence

Image 1. Immunofluorescence analysis of NIH/3T3 cells using Rabbit pAb (ABIN3021619, ABIN3021620, ABIN3021621 and ABIN6215402) at dilution of 1:100. Blue: DAPI for nuclear staining.



Immunofluorescence

Image 2. Immunofluorescence analysis of U20S cell using ARRB2 antibody. Blue: DAPI for nuclear staining.



Western Blotting

Image 3. Western blot analysis of RAW264.7 cell lysate using ARRB2 antibody.

Please check the product details page for more images. Overall 6 images are available for ABIN3021620.