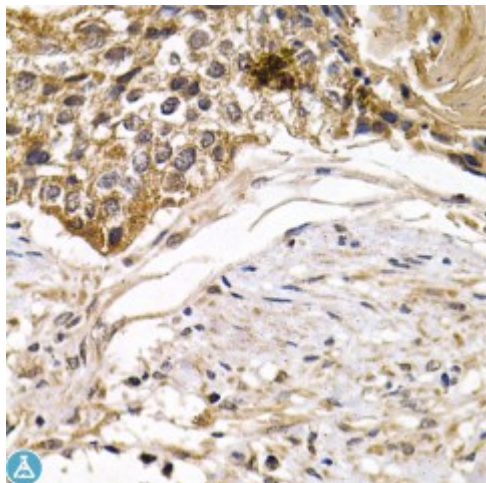


Anti-ARRB2 Antibody



Description

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.

Model	STJ115243
Host	Rabbit
Reactivity	Human
Applications	IF, IHC
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 165-394 of human ARRB2 (NP_945355.1).
Gene ID	409
Gene Symbol	ARRB2
Dilution range	IHC 1:50 - 1:200 IF 1:50 - 1:200
Purification	Affinity purification
Note	For Research Use Only (RUO).

Protein Name	Beta-arrestin-2 Arrestin beta-2 Non-visual arrestin-3
Molecular Weight	46.106 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:712OMIM:107941Reactome:R-HSA-2122948
Alternative Names	Beta-arrestin-2 Arrestin beta-2 Non-visual arrestin-3
Function	Functions in regulating agonist-mediated G-protein coupled receptor (GPCR) signaling by mediating both receptor desensitization and resensitization processes, During homologous desensitization, beta-arrestins bind to the GPRK-phosphorylated receptor and sterically preclude its coupling to the cognate G-protein
Cellular Localization	Cytoplasm, Nucleus, Cell membrane, Membrane, clathrin-coated pit, Cytoplasmic vesicle,
Post-translational Modifications	Phosphorylated at Thr-382 in the cytoplasm

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