

Datasheet for ABIN631132
anti-Arrestin 3 antibody (Middle Region)



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3 Images

Overview

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

Product Details

Immunogen:	Arrestin B2 antibody was raised using the middle region of ARRB2 corresponding to a region with amino acids RLVIRKVQFAPEKPGPQPSAETTRHFLMSDRSLHLEASLDKELYHGEPL
Specificity:	Arrestin B2 antibody was raised against the middle region of ARRB2
Purification:	Affinity purified

Target Details

Target:	Arrestin 3 (ARRB2)
Abstract:	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. ARRB2, like

Target Details

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.

Molecular Weight: 44 kDa (MW of target protein)

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 µg/mL, IHC: 4-8 µg/mL
Optimal conditions should be determined by the investigator.

Comment: Arrestin B2 Blocking Peptide, catalog no. 33R-8056, is also available for use as a blocking control in assays to test for specificity of this Arrestin B2 antibody

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Lyophilized powder. Add distilled water for a 1 mg/mL concentration of ARRB2 antibody in PBS

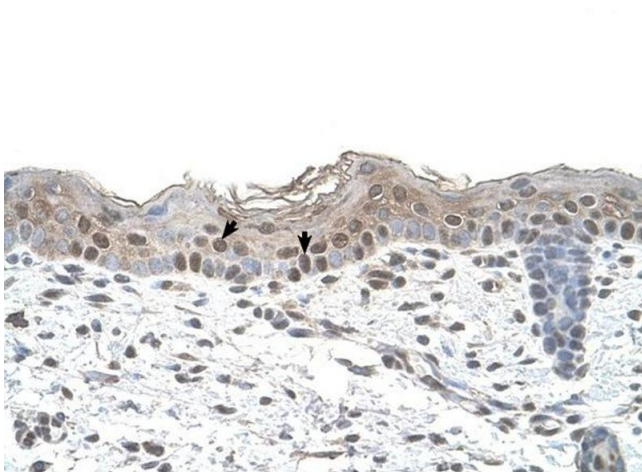
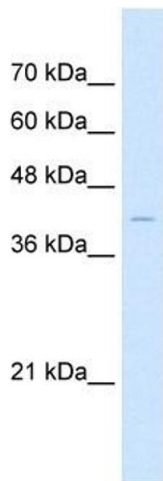
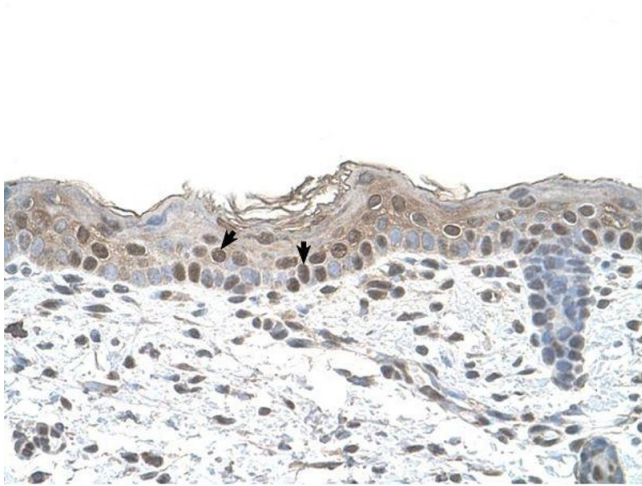
Concentration: Lot specific

Buffer: PBS

Handling Advice: Avoid repeated freeze/thaw cycles.
Dilute only prior to immediate use.

Storage: 4 °C/-20 °C

Storage Comment: Store at 2-8 °C for short periods. For longer periods of storage, store at -20 °C.



Immunohistochemistry

Image 1. Arrestin B2 antibody was used for immunohistochemistry at a concentration of 4-8 ug/ml. Magnification is at 400X

Western Blotting

Image 2. Western Blot showing Arrestin B2 antibody used at a concentration of 1 ug/ml against HepG2 Cell Lysate

Immunohistochemistry

Image 3. Arrestin B2 antibody was used for immunohistochemistry at a concentration of 4-8 ug/ml to stain Squamous epithelial cells (arrows) in Human Skin. Magnification is at 400X