

Anti-Beta Arrestin 2/ARRB2 Antibody Picoband®

Catalog Number: PA1845

About ARRB2

ARRB2 (arrestin beta-2), also known as Beta-arrestin-2, BARR2, ARB2, DKFZp686L0365, arrestin 3, is an intracellular protein that in humans is encoded by the ARRB2 gene. 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, as well as having signalling roles in their own right. 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. Beta-arrestins were originally discovered in the context of heterotrimeric G protein-coupled receptor desensitization, but they also function in internalization and signaling of these receptors.

Overview

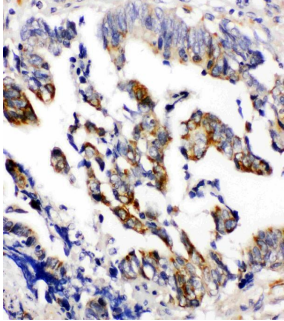
Product Name	Anti-Beta Arrestin 2/ARRB2 Antibody Picoband®
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Beta Arrestin 2/ARRB2 Antibody catalog # PA1845. Tested in IHC, WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Application	IHC, WB
Clonality	Polyclonal
Formulation	Each vial contains antibody formulated with stabilizing components, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ . *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P32121

Technical Details

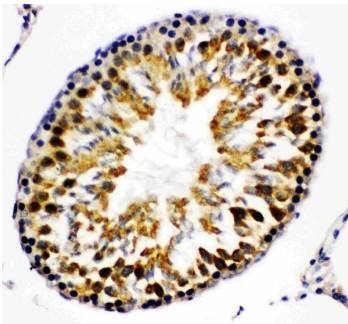
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human Beta Arrestin 2, different from the related rat and mouse sequences by two amino acids.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western

	blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (SV0002-1) for IHC(P).
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Immunohistochemistry (Paraffin-embedded Section), 0.5-1ug/ml, Human, Rat, Mouse Western blot, 0.1-0.5ug/ml, Human, Rat, Mouse

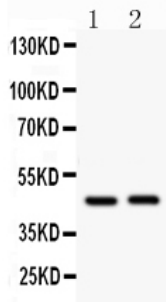
Anti-Beta Arrestin 2/ARRB2 Antibody Picoband® (PA1845) Images



Anti-Beta Arrestin 2 antibody, PA1845, IHC(P)IHC(P): Human Intestinal Cancer Tissue



Anti-Beta Arrestin 2 antibody, PA1845, IHC(P)IHC(P): Rat Testis Tissue



Anti-Beta Arrestin 2 antibody, PA1845, Western blotting
All lanes: Anti ARRB2 (PA1845) at 0.5ug/ml
Lane 1: HELA Whole Cell Lysate at 40ug
Lane 2: Rat Skeletal Muscle Tissue Lysate at 50ug
Predicted bind size: 46KD
Observed bind size: 46KD

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Anti-Beta Arrestin 2/ARRB2 Antibody

For Research Use Only. Not for use in diagnostic procedures.