

Anti-beta Arrestin 1/ARRB1 Antibody

Catalog Number: PA2155

About ARRB1

Arrestin, beta 1, also known as ARRB1, is a protein which in humans is encoded by the ARRB1 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. By fluorescence in situ hybridization, this gene is mapped to 11q13.4. 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.

Overview

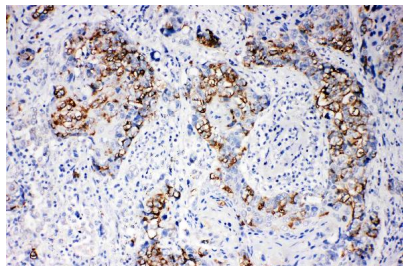
Product Name	Anti-beta Arrestin 1/ARRB1 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-beta Arrestin 1/ARRB1 Antibody catalog # PA2155. Tested in IHC, WB applications. This antibody reacts with Human, Mouse, Rat.
Application	IHC, WB
Clonality	Polyclonal
Formulation	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ .
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	P49407

Technical Details

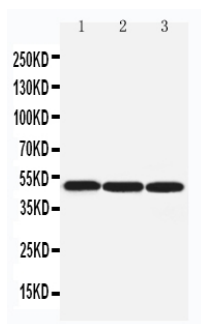
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human beta Arrestin 1, identical to the related rat and mouse sequences.
Predicted Reactive Species	Hamster
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western 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	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used: Immunohistochemistry (Paraffin-embedded Section), 0.5-1ug/ml, Human, Rat, Mouse, By Heat Western blot, 0.1-0.5ug/ml, Human, Rat, Mouse

Anti-beta Arrestin 1/ARRB1 Antibody (PA2155) Images



Anti-beta Arrestin 1 antibody, PA2155, IHC(P)
IHC(P): Human Mammary Cancer Tissue



Anti-beta Arrestin 1 antibody, PA2155, Western blotting
Lane 1: Rat Lung Tissue Lysate
Lane 2: Rat Skeletal Muscle Tissue Lysate
Lane 3: SW620 Cell Lysate

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