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BOSTER BIOLOGICAL TECHNOLOGY
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Anti-BDKRB2 Antibody Picoband™

Catalog Number: PB10047

About BDKRB2

Bradykinin receptor B2 is a G-protein coupled receptor forbradykinin, encoded by the BDKRB2 gene in humans. This gene encodes a receptor for bradykinin. The 9 aa bradykinin peptide elicits many responses including vasodilation, edema, smooth muscle spasm and pain fiber stimulation. This receptor associates with G proteins that stimulate a phosphatidylinositol-calcium second messenger system. Alternate start codons result in two isoforms of the protein.

Overview

Product Name	Anti-BDKRB2 Antibody Picoband™
Reactive Species	Human
Description	Boster Bio Anti-BDKRB2 Antibody Picoband™ catalog # PB10047. Tested in WB applications. This antibody reacts with Human.
Application	WB
Clonality	Polyclonal
Formulation	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
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	P30411

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human BDKRB2, different from the related mouse sequence by five amino acids, and from the related rat sequence by seven amino acids.
Predicted Reactive Species	Hamster
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.
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.

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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: Western blot, 0.1-0.5ug/ml, Human

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Anti-BDKRB2 Antibody Picoband™ (PB10047) Images

Figure 1. Western blot analysis of BDKRB2 using anti-BDKRB2 antibody (PB10047).
Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: HELA whole cell lysates,
Lane 2: HEPG2 whole cell lysates
Lane 3: MCF-7 whole cell lysates.
Lane 4: A549 whole cell lysates.
After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-BDKRB2 antigen affinity purified polyclonal antibody (Catalog # PB10047) at 0.5 ug/mL overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for BDKRB2 at approximately 50 kDa. The expected band size for BDKRB2 is at 44 kDa.