BOSTER
antibody and ELISA experts

BOSTER BIOLOGICAL TECHNOLOGY
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888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-Kv1.6/KCNA6 Antibody

Catalog Number: PA2271

About KCNA6

Potassium voltage-gated channel subfamily A member 6, also known as HBK2 or Kv1.6, is a protein that in humans is encoded by the KCNA6 gene. This gene is mapped to 12p13.32. KCNA6 did not contain introns. The protein encoded by this gene is a voltage-gated potassium channel subunit. Potassium channels represent the most complex class of voltage-gated ion channels from both functional and structural standpoints. Their diverse functions include regulating neurotransmitter release, heart rate, insulin secretion, neuronal excitability, epithelial electrolyte transport, smooth muscle contraction, and cell volume.

Overview

Product Name	Anti-Kv1.6/KCNA6 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Kv1.6/KCNA6 Antibody catalog # PA2271. Tested in WB applications. This antibody reacts with Human, Mouse, Rat.
Application	WB
Clonality	Polyclonal WH-3
Formulation	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 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	P17658

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human Kv1.6, identical to the related mouse and rat sequences.
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
Form	Lyophilized
Concentration	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Purification	Immunogen affinity purified.

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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, Mouse, Rat

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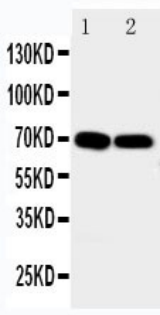
Anti-Kv1.6/KCNA6 Antibody (PA2271) Images



Anti-Kv1.6 antibody, PA2271, All Western blotting
All lanes: Anti-KCNA6(PA2271) at 0.5ug/ml
Lane 1: Rat Brain Tissue Lysate at 40ug
Lane 2: Mouse Brain Tissue Lysate at 40ug
Predicted bind size: 59KD
Observed bind size: 70KD

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