BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-Kv1.1 potassium channel/KCNA1 Antibody Picoband®

Catalog Number: PA2296

About KCNA1

Potassium voltage-gated channel subfamily A member 1, also known as Kv1.1, is a shaker related voltage-gated potassium channel that in humans is encoded by the KCNA1 gene. It is mapped to 12p13.32. The protein functions as a potassium selective channel through which the potassium ion may pass through in consensus with the electrochemical gradient. The N-terminus of the channel is associated with beta subunits that can modify the inactivation properties of the channel as well as affect expression levels. The C-terminus of the channel is complexed to a PDZ domain protein that is responsible for channel targeting.

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Overview

Product Name	Anti-Kv1.1 potassium channel/KCNA1 Antibody Picoband®
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Kv1.1 potassium channel/KCNA1 Antibody catalog # PA2296. Tested in 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	WB
Clonality	Polyclonal
Formulation	Each vial contains antibody formulated with stabilizing components, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3. *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	Q09470

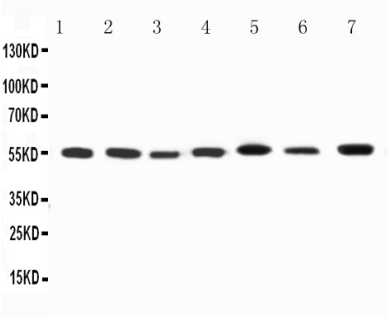
Technical Details

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Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human Kv1.1 potassium channel, different from the related mouse sequence by two amino acids, and from the related rat sequence by four amino acids .
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.
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.1-0.5ug/ml, Human, Mouse, Rat

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Anti-Kv1.1 potassium channel/KCNA1 Antibody Picoband® (PA2296) Images



Anti-Kv1.1 potassium channel antibody, PA2296, All Western blottingAll lanes: Anti-KCNA1(PA2296) at 0.5ug/ml Lane 1: Rat Brain Tissue Lysate at 40ug Lane 2: Rat Testis Tissue Lysate at 40ug Lane 3: Rat Cardiac Muscle Tissue Lysate at 40ug Lane 4: HELA Whole Cell Lysate at 40ug Lane 5: U87 Whole Cell Lysate at 40ug Lane 6: SHG Whole Cell Lysate at 40ug Lane 7: NEURO Whole Cell Lysate at 40ug Predicted bind size: 56KD Observed bind size: 56KD

1 Publications Citing This Product

1. PubMed ID: 10.1002/jnr.25001, Adult-onset hypothyroidism causes mechanical hypersensitivity due to peripheral nerve hyperexcitability based on voltage-gated potassium channel downregulation in male mice

Visit bosterbio.com/anti-kv1-1-potassium-channel-antibody-pa2296-boster.html to see all 1 publications.

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