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Anti-Kv1.1 potassium channel/KCNA1 Antibody Picoband® Fluoro647 Conjugated

Catalog Number: PA2296-Fluoro647

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.

Overview

Product Name	Anti-Kv1.1 potassium channel/KCNA1 Antibody Picoband® Fluoro647 Conjugated
Reactive Species	Human, Mouse, Rat
Application	Recommended applications are based on the parent unconjugated antibody (WB). Customers may select suitable applications according to their experimental needs.
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na2HPO4, 0.02% NaN3.
Storage Instructions	At -20˚C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	Q09470

Technical Details

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 .
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Fluoro647 Excitation Wavelength: 650 nm

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	Emission Wavelength: 665 nm
Suggested Dilutions	Optimal dilutions should be determined by end users.

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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Anti-Kv1.1 potassium channel/KCNA1 Antibody - Fluoro647

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