

Anti-KCND1 Antibody Picoband® Biotin Conjugated

Catalog Number: PB9256-Biotin

About KCND1

Potassium voltage-gated channel, Shal-related subfamily, member 1 (KCND1), also known as Kv4.1, is a human gene. It is mapped to Xp11.23. KCND1 encodes a member of the potassium channel, voltage-gated, shal-related subfamily, members of which form voltage-activated A-type potassium ion channels and are prominent in the repolarization phase of the action potential. The diverse functions of Voltage-gated potassium (Kv) channels include regulating neurotransmitter release, heart rate, insulin secretion, neuronal excitability, epithelial electrolyte transport, smooth muscle contraction, and cell volume. In addition to that, KCND1 is expressed at moderate levels in all tissues analyzed, with lower levels in skeletal muscle.

Overview

Product Name	Anti-KCND1 Antibody Picoband® Biotin Conjugated
Reactive Species	Human, Mouse
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.02% NaN ₃ .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	Q9NSA2

Technical Details

Immunogen	E.coli-derived human KCND1 recombinant protein (Position: T442-L647). Human KCND1 shares 90% amino acid (aa) sequence identity with mouse KCND1.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Biotin
Suggested Dilutions	The intended application should be selected according to the customer's experimental requirements.

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