

## Anti-KCND1 Antibody Picoband® Biotin Conjugated

Catalog Number: A11599-1-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, Rat
Application	WB, IHC, ELISA
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% NaN <sub>3</sub> .
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: E70-D593).
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	Western blot, Optimal dilutions should be determined by end users. Immunohistochemistry (Paraffin-embedded Section), Optimal dilutions should be determined by

end users.  
ELISA, Optimal dilutions should be determined by end users.

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