

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

Catalog Number: A01813-1-HRP

### 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® HRP Conjugated                |
| Reactive Species     | Human, Mouse, Rat   |
| Clonality            | Polyclonal  |
| Formulation          | Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> . |
| Storage Instructions | At -20°C for one year from date of receipt. Avoid repeated freezing and thawing.    |
| Host                 | Rabbit  |
| Uniprot ID           | Q09470  |

### Technical Details

|                     |  |
|---------------------|--|
| Immunogen           | E. coli-derived human KCNA1 recombinant protein (Position: E7-N477).                               |
| Cross Reactivity    | No cross-reactivity with other proteins.   |
| Isotype             | Rabbit IgG   |
| Form                | Liquid   |
| Concentration       | 0.5 mg/mL  |
| Purification        | Immunogen affinity purified.   |
| Conjugate           | HRP  |
| Suggested Dilutions | The intended application should be selected according to the customer's experimental requirements. |

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