

# Kv1.1 potassium channel Polyclonal Antibody

### Description

Product type Primary Antibody

Code BT-AP10784

**Host** Rabbit

Isotype IgG

Size 20ul, 50ul, 100ul

Immunogen Synthetic Peptide of Kv1.1 potassium channel

Mol wt N/A

Species reactivity Human, Rat, Mouse

Clonality Polyclonal

Recommended application IHC-p, IF

Concentration 1 mg/ml

Full name Potassium voltage-gated channel subfamily A member 1

Synonyms Potassium voltage-gated channel subfamily A member 1 ;Voltage-gated K;+ channel HuKI;Voltage-gated

potassium channel HBK1;Voltage-gated potassium channel subunit Kv1.1; KCNA1; Potassium voltage-gated channel subfamily A member 1; Voltage-gated K;+ channel HuKI; Voltage-gated potassium channel

 $HBK1;\ Voltage\text{-}gated\ potassium\ channel\ subunit\ Kv1.1$ 

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

### Background

This gene encodes a voltage-gated delayed potassium channel that is phylogenetically related to the Drosophila Shaker channel. The encoded protein has six putative transmembrane segments (S1-S6), and the loop between S5 and S6 forms the pore and contains the conserved selectivity filter motif (GYGD). The functional channel is a homotetramer. 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. Mutations in this gene have been associated with myokymia with periodic ataxia (AEMK).

## Recommended Dilution

IHC: 1: 100 - 1: 200

Not yet tested in other applications.

#### **Images**



Immunohistochemical analysis of paraffin-embedded Rat BrainTissue using KV1.1 Potassium Channel Rabbit pAb diluted at 1:200.



Immunohistochemical analysis of paraffin-embedded Mouse BrainTissue using KV1.1 Potassium Channel Rabbit pAb diluted at 1:200.

# Storage

-20°C for 1 year

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