

## Kv1.1 potassium channel Polyclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-AP10783
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Size</b>	20ul, 50ul, 100ul
<b>Immunogen</b>	Synthetic Peptide of Kv1.1 potassium channel
<b>Mol wt</b>	N/A
<b>Species reactivity</b>	Human, Rat, Mouse
<b>Clonality</b>	Polyclonal
<b>Recommended application</b>	WB, IHC-p, IF
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	Potassium voltage-gated channel subfamily A member 1
<b>Synonyms</b>	Potassium voltage-gated channel subfamily A member 1 ;Voltage-gated K <sup>+</sup> 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 <sup>+</sup> channel HuKI; Voltage-gated potassium channel HBK1; Voltage-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).

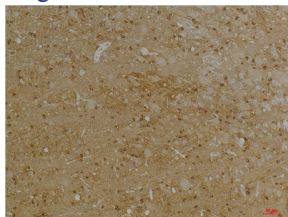
### Recommended Dilution

WB: 1: 1000 - 1: 2000

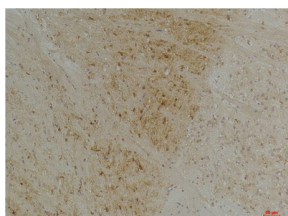
IHC: 1: 100 - 1: 200

Not yet tested in other applications.

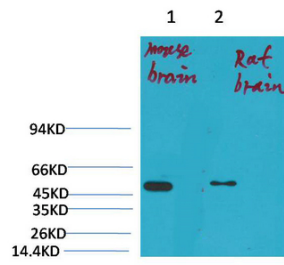
### Images



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.



Western blot analysis of 1) Mouse Brain Tissue, 2) Rat Brain Tissue with KV1.1 potassium channel

Rabbit pAb diluted at 1:2,000.

### Storage

-20°C for 1 year

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