

## KV beta 1 Polyclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-AP10809
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Size</b>	20ul, 50ul, 100ul
<b>Immunogen</b>	Synthetic Peptide of KV $\beta$ 1
<b>Mol wt</b>	N/A
<b>Species reactivity</b>	Human, Rat, Mouse
<b>Clonality</b>	Polyclonal
<b>Recommended application</b>	IHC-p, IF
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	Voltage-gated potassium channel subunit beta-1
<b>Synonyms</b>	Voltage-gated potassium channel subunit beta-1 ;K <sub>v</sub> + channel subunit beta-1;Kv-beta-1; Voltage-gated potassium channel subunit beta-1; K <sub>v</sub> + channel subunit beta-1; Kv-beta-1

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

### Background

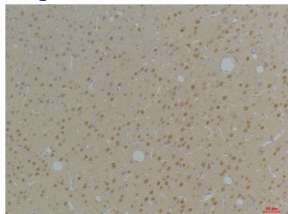
Potassium channels represent the most complex class of voltage-gated ion channels from both functional and structural standpoints. Their diverse functions include regulating neurotransmitter release, heart rate, insulin secretion, neuronal excitability, epithelial electrolyte transport, smooth muscle contraction, and cell volume. Four sequence-related potassium channel genes - shaker, shaw, shab, and shal - have been identified in *Drosophila*, and each has been shown to have human homolog(s). This gene encodes a member of the potassium channel, voltage-gated, shaker-related subfamily. This member includes distinct isoforms which are encoded by alternatively spliced transcript variants of this gene. Some of these isoforms are beta subunits, which form heteromultimeric complexes with alpha subunits and modulate the activity of the pore-forming alp

### Recommended Dilution

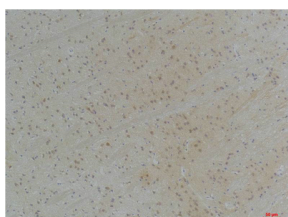
IHC: 1: 100 - 1: 200

Not yet tested in other applications.

### Images



Immunohistochemical analysis of paraffin-embedded Rat BrainTissue using Kvb1 Rabbit pAb diluted at 1:200.



Immunohistochemical analysis of paraffin-embedded Mouse BrainTissue using Kvb1 Rabbit pAb diluted at 1:200.

## Storage

-20°C for 1 year

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