

## KV8.2 Polyclonal Antibody

### Description

<b>Product type</b>	Primary Antibody
<b>Code</b>	BT-AP04924
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Size</b>	20ul, 50ul, 100ul
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human KCNV2. AA range:187-236
<b>Mol wt</b>	62459
<b>Species reactivity</b>	Human, Mouse
<b>Clonality</b>	Polyclonal
<b>Recommended application</b>	WB, ELISA
<b>Concentration</b>	1 mg/ml
<b>Full name</b>	KV8.2 Antibody
<b>Synonyms</b>	KCNV2; Potassium voltage-gated channel subfamily V member 2; Voltage-gated potassium channel subunit Kv8.2

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

### Background

Voltage-gated potassium (Kv) 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. KCNV2 encodes a member of the potassium voltage-gated channel subfamily V. This member is identified as a 'silent subunit', and it does not form homomultimers, but forms heteromultimers with several other subfamily members. Through obligatory heteromerization, it exerts a function-altering effect on other potassium channel subunits. This protein is strongly expressed in pancreas and has a weaker expression in several other tissues.

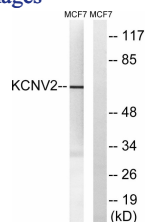
### Recommended Dilution

WB: 1: 500 - 1: 2000

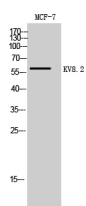
ELISA: 1: 20000

Not yet tested in other applications.

### Images



Western blot analysis of lysates from MCF-7 cells, using KCNV2 Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of MCF-7 cells using KV8.2 Polyclonal Antibody

## Storage

-20°C for one year

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