

## KV1.1 Polyclonal Antibody

### Description

Product type	Primary Antibody
Code	BT-AP04904
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human KCNA1. AA range:256-305
Mol wt	56542
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	WB, ELISA
Concentration	1 mg/ml
Full name	KV1.1 Antibody
Synonyms	KCNA1; 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

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

### Background

KCNA1 encodes a voltage-gated delayed potassium channel that is phylogenetically related to the Drosophila Shaker channel. Potassium voltage-gated channel subfamily A member 1 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).

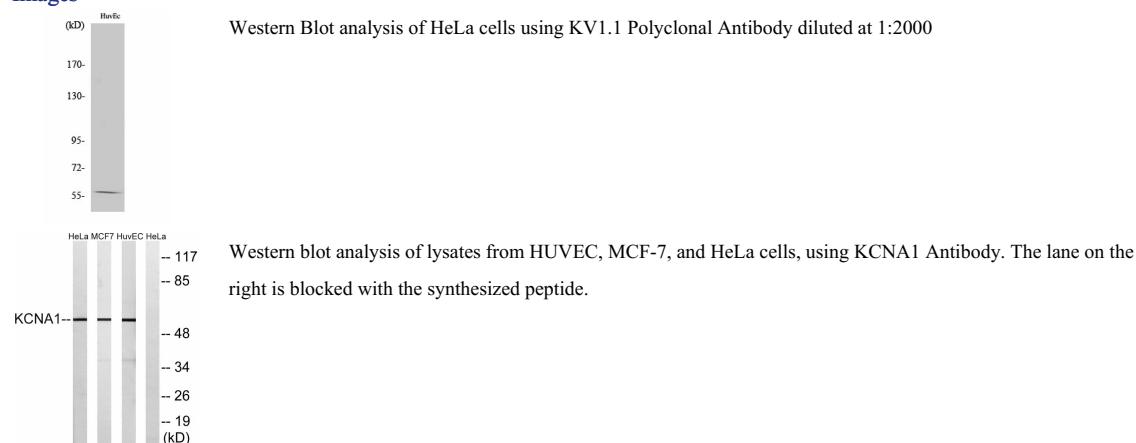
### Recommended Dilution

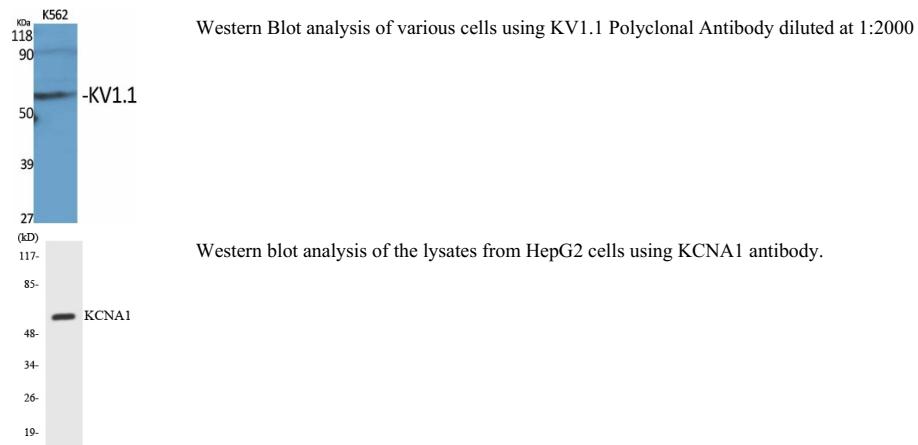
WB: 1: 500 - 1: 2000

ELISA: 1: 10000

Not yet tested in other applications.

### Images





#### Storage

-20°C for one year

501 Changsheng S Rd, Nanhu Dist, Jiaxing, Zhejiang, China  
Tel: 86 21 31007137 | E-mail: [save@bt-laboratory.com](mailto:save@bt-laboratory.com) | [www.bt-laboratory.com](http://www.bt-laboratory.com)