BT LAB
Bioassay Technology Laboratory
Optimize Your Research

Kv3.4 Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP04921
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human KCNC4. AA range:1-50
Mol wt	69767
Species reactivity	Human, Mouse, Monkey
Clonality	Polyclonal
Recommended application	WB, IHC-p, IF, ELISA
Concentration	1 mg/ml
Full name	Kv3.4 Antibody
Synonyms	KCNC4; Potassium voltage-gated channel subfamily C member 4; KSHIIIC; Voltage-gated potassium channel subunit Kv3.4

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

Background

The Shaker gene family of Drosophila encodes components of voltage-gated potassium channels and is comprised of four subfamilies. Based on sequence similarity, KCNC4 is similar to the Shaw subfamily. Potassium voltage-gated channel subfamily C member 4 encoded by KCNC4 belongs to the delayed rectifier class of channel proteins and is an integral membrane protein that mediates the voltage-dependent potassium ion permeability of excitable membranes. It generates atypical voltage-dependent transient current that may be important for neuronal excitability. Multiple transcript variants have been found for this gene.

Recommended Dilution

WB: 1: 500 - 1: 2000

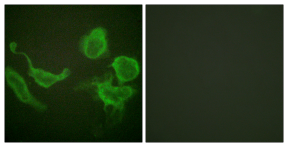
IHC: 1: 100 - 1: 300

IF: 1: 200 - 1: 1000

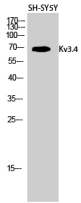
ELISA: 1: 20000

Not yet tested in other applications.

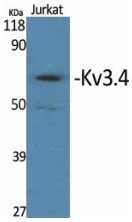
Images



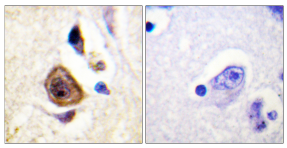
Immunofluorescence analysis of HeLa cells, using Kv3.4/KCNC4 Antibody. The picture on the right is blocked with the synthesized peptide.



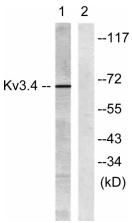
Western Blot analysis of SH-SY5Y cells using Kv3.4 Polyclonal Antibody diluted at 1:500



Western Blot analysis of various cells using Kv3.4 Polyclonal Antibody diluted at 1:500



Immunohistochemistry analysis of paraffin-embedded human brain, using Kv3.4/KCNC4 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from COS7 cells treated with Anisomycin 25ug/ml 30', using Kv3.4/KCNC4 Antibody. The lane on the right is blocked with the synthesized peptide.

Storage

-20°C for one year

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