Datasheet for ABIN306876

anti-Kv3.1b Potassium Channel antibody

1 Image

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Overview

Quantity:	100 µg
Target:	Kv3.1b Potassium Channel
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	Un-conjugated
Application:	Western Blotting (WB)

Product Details

Isotype:	IgG

Target Details

Target:	Kv3.1b Potassium Channel
Alternative Name:	Kv3.1bPotassium Channel
Background:	The Kv3.1b potassium channel is a voltage-gated channel protein which belongs to the delayed rectifier class and to the Shaw potassium channel subfamily. Potassium channels are mainly found in plasma membranes but are not generally distributed over the cell surface. Potassium channels catalyze the rapid permeation of potassium ions while rejecting biologically abundant potential competitors such as sodium, calcium and magnesium. Ion selectivity and high through put rate of potassium channels is accomplished by precise co-ordination of dehydrated potassium by the protein and multiple ion occupancy within the permeation pathway. All potassium channels carry out the formation of a transmembrane leak specific for potassium

Target Details

ions. Since cells almost universally maintain cytoplasmic potassium concentrations higher than those extracellularly, the opening of a potassium channel implies a negative ongoing change in electrical voltage across the cell membrane. This may result in termination of the action potential of electrically excitable cells including nerve, muscle and pancreatic beta cells. In non

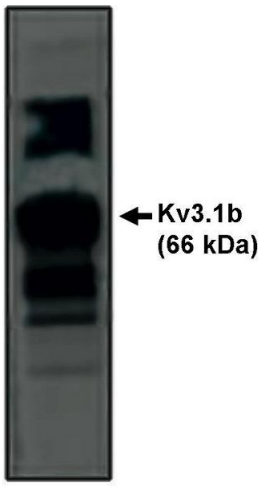
Application Details

Application Notes:	This antibody can be used for Western blotting (5-10 ug/ml). Positive Control: Rat brain lysate.
Restrictions:	For Research Use only

Handling

Concentration:	1 mg/ml
Storage:	-20 °C

Images



Western Blotting

Image 1. Western blot analysis using Kv3.1b antibody on rat brain lysate.