

Datasheet for ABIN306877
anti-KCND2 antibody



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1 Image

Overview

Quantity:	100 µg
Target:	KCND2
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KCND2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Isotype:	IgG
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Target Details

Target:	KCND2
Alternative Name:	Kv4.2Potassium Channel (KCND2 Products)
Background:	<p>The Kv4.2 potassium channel is a voltage-gated channel protein which belongs to the delayed rectifier class and to the Shal 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 throughput 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</p>

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

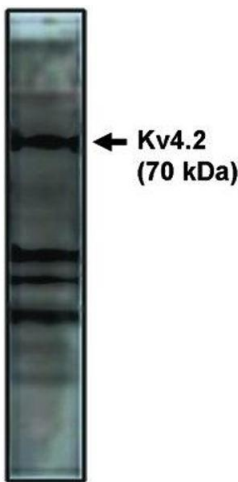
Application Details

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

Handling

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

Images



Western Blotting

Image 1. Western blot analysis using Kv4.2 antibody on rat brain lysate.