

Datasheet for ABIN1881472
anti-Kv1.4 antibody (C-Term)[Go to Product page](#)

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Overview

Quantity:	400 µL
Target:	Kv1.4 (KCNA4)
Binding Specificity:	AA 591-619, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB)

Product Details

Immunogen:	This KCNA4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 591-619 amino acids from the C-terminal region of human KCNA4.
Clone:	RB41939
Isotype:	Ig Fraction
Predicted Reactivity:	B, M, Rat
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	Kv1.4 (KCNA4)
Alternative Name:	KCNA4 (KCNA4 Products)
Background:	Potassium channels represent the most complex class of voltage-gated ion channels from

Target Details

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. Four sequence-related potassium channel genes - shaker, shaw, shab, and shal - have been identified in Drosophila, and each has been shown to have human homolog(s). This gene encodes a member of the potassium channel, voltage-gated, shaker-related subfamily. This member contains six membrane-spanning domains with a shaker-type repeat in the fourth segment. It belongs to the A-type potassium current class, the members of which may be important in the regulation of the fast repolarizing phase of action potentials in heart and thus may influence the duration of cardiac action potential. The coding region of this gene is intronless, and the gene is clustered with genes KCNA3 and KCNA10 on chromosome 1.

Molecular Weight: 73257

NCBI Accession: [NP_002224](#)

UniProt: [P22459](#)

Application Details

Application Notes: WB: 1:1000

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

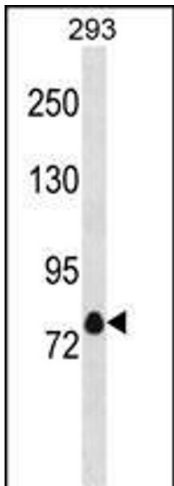
Storage: 4 °C, -20 °C

Expiry Date: 6 months

Publications

Product cited in: Mei, Li, Chu, Yiu, Lo: "The inhibitory effects of silver diamine fluoride at different concentrations on matrix metalloproteinases." in: **Dental materials : official publication of the Academy of**

Images



Western Blotting

Image 1. KCNA4 Antibody (C-term) (ABIN1881472 and ABIN2838910) western blot analysis in 293 cell line lysates (35 µg/lane). This demonstrates the KCNA4 antibody detected the KCNA4 protein (arrow).