

Datasheet for ABIN952998
anti-Kv3.4 antibody (C-Term)



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1 Image

Overview

Quantity:	0.4 mL
Target:	Kv3.4 (KCNC4)
Binding Specificity:	AA 517-546, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Kv3.4 antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 517-546 amino acids from the C-terminal region of human KCNC4
Isotype:	Ig Fraction
Specificity:	This antibody recognizes Human KCNC4 (C-term).
Purification:	Protein A column, followed by peptide affinity purification

Target Details

Target:	Kv3.4 (KCNC4)
Alternative Name:	KCNC4 (KCNC4 Products)
Background:	The Shaker gene family of Drosophila encodes components of voltage-gated potassium

Target Details

channels and is comprised of four subfamilies. Based on sequence similarity, this gene is similar to the Shaw subfamily. The protein encoded by this gene 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. Synonyms: KSHIIIC, Potassium voltage-gated channel subfamily C member 4, Voltage-gated potassium channel subunit Kv3.4

Molecular Weight: 69767 Da

Gene ID: 3749

NCBI Accession: [NP_001034663](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.25 mg/mL

Buffer: PBS containing 0.09 % (W/V) Sodium Azide as preservative

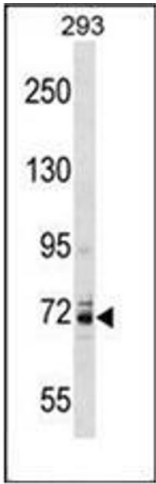
Preservative: Sodium azide

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

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

Storage Comment: Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Western Blotting

Image 1. Western blot analysis of KCNC4 Antibody (C-term) in 293 cell line lysates (35ug/lane). This demonstrates the KCNC4 antibody detected the KCNC4 protein (arrow).