

Datasheet for ABIN953002  
**anti-KCNH4 antibody (N-Term)**

## 2 Images

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## Overview

Quantity:	0.4 mL
Target:	KCNH4
Binding Specificity:	AA 70-100, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KCNH4 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Enzyme Immunoassay (EIA)

## Product Details

Immunogen:	KLH conjugated synthetic peptide between 70-100 amino acids from the N-terminal region of human KCNH4
Isotype:	Ig Fraction
Specificity:	This antibody recognizes Human KCNH4 (N-term).
Purification:	Protein A column, followed by peptide affinity purification

## Target Details

Target:	KCNH4
Alternative Name:	KCNH4 ( <a href="#">KCNH4 Products</a> )
Background:	Voltage-gated potassium (Kv) channels represent the most complex class of voltage-gated ion

## Target Details

channels from 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. This gene encodes a member of the potassium channel, voltage-gated, subfamily H. This member is a pore-forming (alpha) subunit. The gene is brain-specific, and located in the neocortex and the striatum. It may be involved in cellular excitability of restricted neurons in the central nervous system. Synonyms: BEC2, Brain-specific eag-like channel 2, ELK channel 1, ELK1, Ether-a-go-go-like potassium channel 1, KCNH4, Potassium voltage-gated channel subfamily H member 4, Voltage-gated potassium channel subunit Kv12.3

Molecular Weight: 111693 Da

Gene ID: 23415

NCBI Accession: [NP\\_036417](#)

## 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

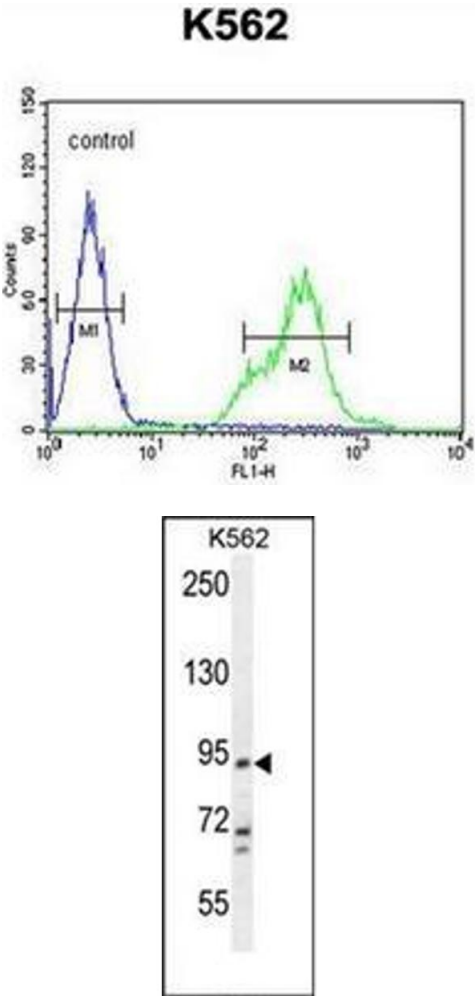
Preservative: Sodium azide

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.



Flow Cytometry

**Image 1.** Flow cytometric analysis of K562 cells using KCNH4 Antibody (N-term) Cat.-No AP52304PU-N (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Western Blotting

**Image 2.** Western blot analysis of KCNH4 Antibody (N-term) in K562 cell line lysates (35ug/lane). This demonstrates the KCNH4 antibody detected the KCNH4 protein (arrow).