

Datasheet for ABIN7146338  
**anti-KCNMB1 antibody (AA 40-130)**



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1 Image

## Overview

Quantity:	100 µg
Target:	KCNMB1
Binding Specificity:	AA 40-130
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KCNMB1 antibody is un-conjugated
Application:	ELISA, Immunofluorescence (IF)

## Product Details

Immunogen:	Recombinant Human Calcium-activated potassium channel subunit beta-1 protein (40-130AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

## Target Details

Target:	KCNMB1
Alternative Name:	KCNMB1 ( <a href="#">KCNMB1 Products</a> )
Background:	Background: Regulatory subunit of the calcium activated potassium KCNMA1 (maxiK) channel. Modulates the calcium sensitivity and gating kinetics of KCNMA1, thereby contributing to

## Target Details

KCNMA1 channel diversity. Increases the apparent  $\text{Ca}^{2+}$ /voltage sensitivity of the KCNMA1 channel. It also modifies KCNMA1 channel kinetics and alters its pharmacological properties. It slows down the activation and the deactivation kinetics of the channel. Acts as a negative regulator of smooth muscle contraction by enhancing the calcium sensitivity to KCNMA1. Its presence is also a requirement for internal binding of the KCNMA1 channel opener dehydrosoyasaponin I (DHS-1) triterpene glycoside and for external binding of the agonist hormone 17-beta-estradiol (E2). Increases the binding activity of charybdotoxin (CTX) toxin to KCNMA1 peptide blocker by increasing the CTX association rate and decreasing the dissociation rate.

Aliases: BK channel beta subunit antibody, BK channel subunit beta 1 antibody, BK channel subunit beta-1 antibody, BKbeta antibody, BKbeta1 antibody, Calcium activated potassium channel subfamily M subunit beta 1 antibody, Calcium activated potassium channel subunit beta 1 antibody, Calcium activated potassium channel subunit beta antibody, Calcium-activated potassium channel antibody, Calcium-activated potassium channel subunit beta antibody, Calcium-activated potassium channel subunit beta-1 antibody, Charybdotoxin receptor subunit beta 1 antibody, Charybdotoxin receptor subunit beta-1 antibody, Hbeta1 antibody, hslo beta antibody, K(VCA)beta 1 antibody, K(VCA)beta antibody, K(VCA)beta-1 antibody, KCMB1\_HUMAN antibody, KCNMB 1 antibody, Kcnmb1 antibody, Large conductance  $\text{Ca}^{2+}$  activated  $\text{K}^{+}$  channel beta 1 subunit antibody, Maxi K channel beta subunit antibody, Maxi K channel subunit beta 1 antibody, Maxi K channel subunit beta-1 antibody, Potassium large conductance calcium activated channel subfamily M beta member 1 antibody, Slo beta 1 antibody, SLO beta antibody, Slo-beta antibody, Slo-beta-1 antibody, subfamily M subunit beta-1 antibody

UniProt: [Q16558](#)

## Application Details

Application Notes: Recommended dilution: IF:1:50-1:200,

Restrictions: For Research Use only

## Handling

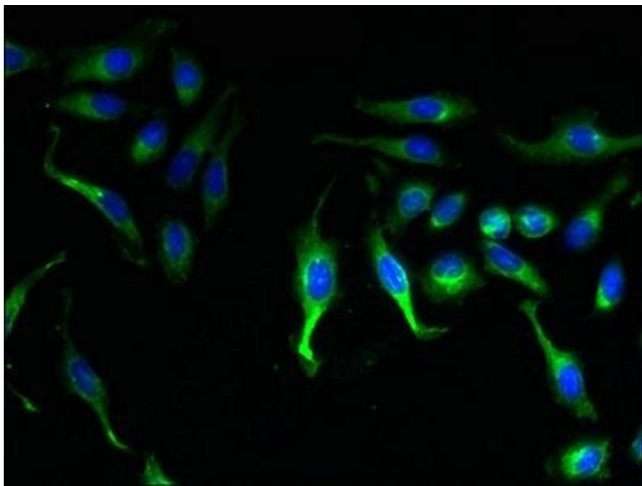
Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Handling

Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



**Immunofluorescence**

**Image 1.** Immunofluorescent analysis of HeLa cells using ABIN7146338 at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)