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Datasheet for ABIN7146339
anti-KCNMB1 antibody (AA 40-130) (Biotin)

Overview

Quantity:	100 µg
Target:	KCNMB1
Binding Specificity:	AA 40-130
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KCNMB1 antibody is conjugated to Biotin
Application:	ELISA

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 (KCNMB1 Products)
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 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 Ca2+ activated 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: Optimal working dilution should be determined by the investigator.

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.