

Datasheet for ABIN7146342
anti-KCNMB3 antibody (AA 82-207)[Go to Product page](#)

1 Image

Overview

Quantity:	100 µL
Target:	KCNMB3
Binding Specificity:	AA 82-207
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KCNMB3 antibody is un-conjugated
Application:	ELISA, Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human Calcium-activated potassium channel subunit beta-3 protein (82-207AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Antigen Affinity purified & Affinity purified

Target Details

Target:	KCNMB3
Alternative Name:	KCNMB3 (KCNMB3 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. Alters the functional properties of the current expressed by the KCNMA1 channel. Isoform 2, isoform 3 and isoform 4 partially inactivate the current of KCNBMA. Isoform 4 induces a fast and incomplete inactivation of KCNMA1 channel that is detectable only at large depolarizations. In contrast, isoform 1 does not induce detectable inactivation of KCNMA1. Two or more subunits of KCNMB3 are required to block the KCNMA1 tetramer.

Aliases: BK channel subunit beta 3 antibody, BK channel subunit beta-3 antibody, BKbeta 3 antibody, BKbeta3 antibody, Calcium activated potassium channel beta 3 subunit antibody, Calcium activated potassium channel subfamily M subunit beta 3 antibody, Calcium activated potassium channel subunit beta 3 antibody, Calcium-activated potassium channel antibody, Calcium-activated potassium channel subunit beta-3 antibody, Charybdotoxin receptor subunit beta 3 antibody, Charybdotoxin receptor subunit beta-3 antibody, EG435726 antibody, Gm5707 antibody, Hbeta 3 antibody, Hbeta3 antibody, K(VCA)beta 3 antibody, K(VCA)beta-3 antibody, KCMB3_HUMAN antibody, KCNMB 2 antibody, KCNMB 3 antibody, KCNMB2 antibody, KCNMB3 antibody, KCNMBL antibody, Large conductance voltage and Ca²⁺ activated potassium channel Maxi K beta 3 subunit antibody, Maxi K channel subunit beta 3 antibody, Maxi K channel subunit beta-3 antibody, Potassium channel, calcium-activated large conductance, subfamily M, beta member 3 antibody, Potassium large conductance calcium activated channel beta 3 subunit antibody, Potassium large conductance calcium activated channel subfamily M beta member 3 antibody, Slo beta 3 antibody, Slo-beta-3 antibody, subfamily M subunit beta-3 antibody

UniProt: [Q9NPA1](#)

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

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be

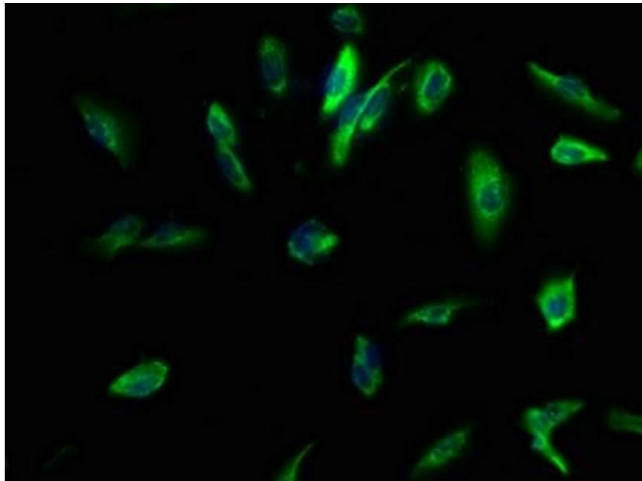
Handling

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. Immunofluorescence staining of U251 cells with ABIN7146342 at 1:100, counter-stained with DAPI. The cells were fixed in 4 % formaldehyde, permeabilized using 0.2 % Triton X-100 and blocked in 10 % normal Goat Serum. The cells were then incubated with the antibody overnight at 4 °C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).