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anti-KCNMB1 antibody (AA 10-80) (AbBy Fluor® 647)



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Quantity:	100 μL
Target:	KCNMB1
Binding Specificity:	AA 10-80
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KCNMB1 antibody is conjugated to AbBy Fluor® 647
Application:	Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human KCNMB1
Isotype:	IgG
Cross-Reactivity:	Rat
Predicted Reactivity:	Human,Mouse,Cow,Sheep,Pig,Horse
Purification:	Purified by Protein A.

Target Details

Target:	KCNMB1
Alternative Name:	KCNMB1 (KCNMB1 Products)

Target Details

Target Details			
Background:	Synonyms: Calcium-activated potassium channel subunit beta-1, KCNMB1, BK channel subunit		
	beta-1, Charybdotoxin receptor subunit beta-1, K(VCA)beta-1, Maxi K channel subunit beta-1,		
	Slo-beta-1, Slo-beta		
	Background: Regulatory subunit of the calcium activated potassium KCNMA1 (maxiK) channel.		
	Modulates the calcium sensitivity and gating kinetics of KCNMA1, thereby contributing to		
	KCNMA1 channel diversity. Increases the apparent Ca2+/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.		
Gene ID:	3779		
Application Details			
Application Notes:	IF(IHC-P) 1:50-200		
	IF(IHC-F) 1:50-200		
	IF(ICC) 1:50-200		
Restrictions:	For Research Use only		
Handling			
Format:	Liquid		
Concentration:	1 μg/μL		
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and		
	50 % Glycerol.		
Preservative:	ProClin		
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be		
	handled by trained staff only.		

Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

-20 °C

Storage:

Storage Comment:

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Expiry Date:

12 months