Datasheet for ABIN5005870

anti-KIR5.1 antibody (AA 101-200) (Alexa Fluor 680)

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Overview

Quantity:	100 µL
Target:	KIR5.1 (KCNJ16)
Binding Specificity:	AA 101-200
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KIR5.1 antibody is conjugated to Alexa Fluor 680
Application:	Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human KIR5.1
Isotype:	IgG
Predicted Reactivity:	Human,Mouse,Rat,Dog,Horse,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	KIR5.1 (KCNJ16)
Alternative Name:	KIR5.1 (KCNJ16 Products)
Background:	Synonyms: 6430410F18Rik, AI132396, BIR9, Inward rectier K channel Kir5.1, Inward rectier K+

Target Details

	channel Kir5.1, Inward rectier potassium channel 16, IRK16, IRKG, KCNJ16, MGC33717, Potassium channel inwardly rectying subfamily J member 16, Potassium inwardly rectying channel subfamily J member 16, RP23-218O16.1, IRK16_HUMAN. Background: The KIR family of potassium channels possess a greater tendency to allow potassium to flow into the cell rather than out of it. Kir4.1, also known as Kir1.2, is highly expressed in brain including glial cells, astrocytes and cortical neurons. Kir4.1 is also expressed in myelin-synthesizing oligodendrocytes and is crucial to myelination in the developing nervous system. The gene encoding human Kir4.1 maps to chromosome 1. Kir4.2, also known as Kir1.3, is expressed in kidney, lung, heart, thymus and thyroid during development. The gene encoding human Kir4.2 maps to chromosome 21 in the Down syndrome chromosome region 1, and Kir4.2 may play a role in the pathogenesis of Down?s syndrome. Kir 5.1 forms functional channels only by coexpression with either Kir4.1 or Kir4.2 in the kidney and pancreas. The gene encoding human Kir5.1 maps to chromosome 17.

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.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months