Datasheet for ABIN7138808

anti-KCNJ11 antibody (pThr224)

2 Images

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Overview

Quantity:	100 µL
Target:	KCNJ11
Binding Specificity:	pThr224
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KCNJ11 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF)

Product Details

Immunogen:	Peptide sequence around phosphorylation site of threonine 224 (K-T-TP-S-P) derived from Human Kir6.2.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Purification:	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy usi

Target Details

Target:	KCNJ11
Alternative Name:	KCNJ11 (KCNJ11 Products)

Target Details

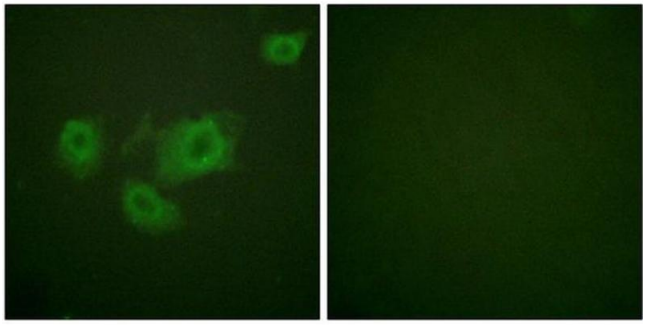
Background:	Background: This receptor is controlled by G proteins. Inward rectifier potassium channels are characterized by a greater tendency to allow potassium to flow into the cell rather than out of it. Their voltage dependence is regulated by the concentration of extracellular potassium, as external potassium is raised, the voltage range of the channel opening shifts to more positive voltages. The inward rectification is mainly due to the blockage of outward current by internal magnesium. Can be blocked by extracellular barium By similarity. Subunit of ATP-sensitive potassium channels (KATP). Can form cardiac and smooth muscle-type KATP channels with ABCC9. KCNJ11 forms the channel pore while ABCC9 is required for activation and regulation. Aliases: KCNJ11 antibody, ATP-sensitive inward rectifier potassium channel 11 antibody, IKATP antibody, Inward rectifier K(+) channel Kir6.2 antibody, Potassium channel antibody, inwardly rectifying subfamily J member 11 antibody
UniProt:	Q14654
Pathways:	Negative Regulation of Hormone Secretion

Application Details

Application Notes:	WB:1:500-1:1000, IF:1:100-1:200,
Restrictions:	For Research Use only

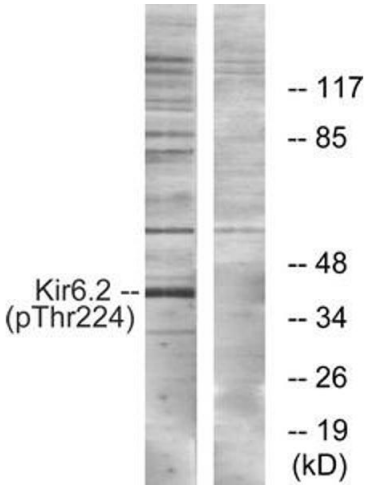
Handling

Format:	Liquid
Buffer:	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: 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.



Immunofluorescence

Image 1. Immunofluorescence analysis of HuvEc cells, using Kir6.2 (Phospho-Thr224) antibody. The picture on the right is treated with the synthesized peptide.



Western Blotting

Image 2. Western blot analysis of extracts from HeLa cells, using Kir6.2 (Phospho-Thr224) antibody. The lane on the right is treated with the synthesized peptide.

