Datasheet for ABIN7145029

anti-KCNJ8 antibody (AA 299-424)

3 Images

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Overview

Quantity:	100 µg
Target:	KCNJ8
Binding Specificity:	AA 299-424
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KCNJ8 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human ATP-sensitive inward rectifier potassium channel 8 protein (299-424AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	KCNJ8
Alternative Name:	KCNJ8 (KCNJ8 Products)
Background:	Background: This potassium channel is controlled by G proteins. Inward rectifier potassium channels are characterized by a greater tendency to allow potassium to flow into the cell rather

Target Details

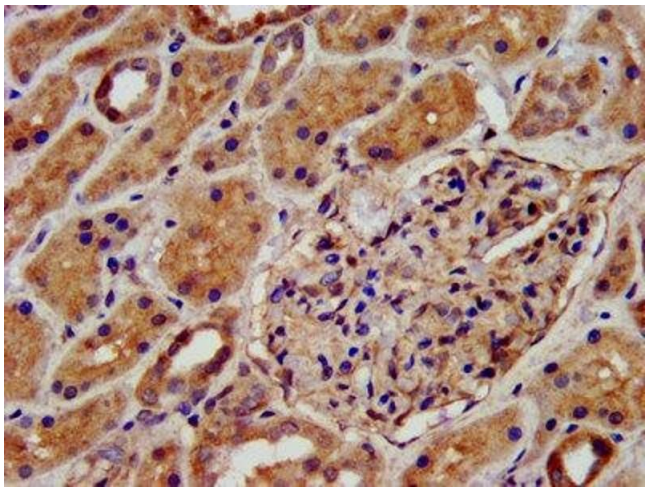
	than out of it. Their voltage dependence is regulated by the concentration of extracellular potassium, as external potassium is raised, the voltage range of the channel opening shifts to more positive voltages. The inward rectification is mainly due to the blockage of outward current by internal magnesium. Can be blocked by external barium (By similarity). Aliases: inwardly rectifying subfamily J member 8 antibody, ATP sensitive inward rectifier potassium channel 8 antibody, ATP-sensitive inward rectifier potassium channel 8 antibody, Inward rectifier K(+) channel Kir6.1 antibody, Inwardly rectifier K(+) channel Kir6.1 antibody, Inwardly rectifying potassium channel Kir6.1 antibody, IRK 8 antibody, IRK8 antibody, Kcnj8 antibody, KCNJ8_HUMAN antibody, kir 6.1 antibody, Potassium channel antibody, Potassium channel, inwardly rectifying subfamily J member 8 antibody, potassium inwardly rectifying channel J8 antibody, uKATP 1 antibody, uKATP-1 antibody
UniProt:	Q15842

Application Details

Application Notes:	Recommended dilution: IHC:1:500-1:1000, IF:1:50-1:200,
Restrictions:	For Research Use only

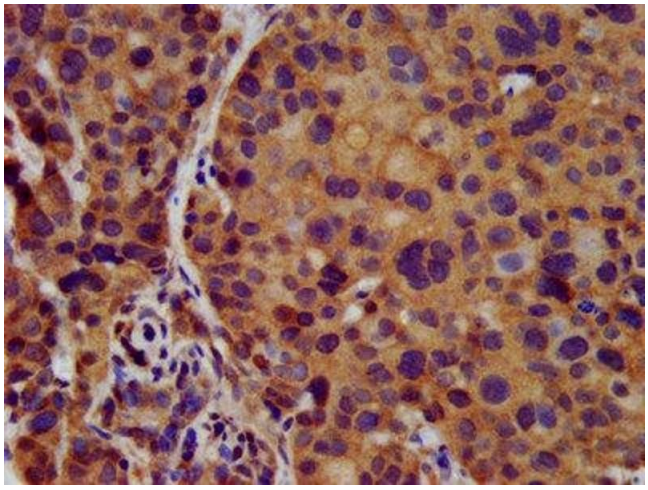
Handling

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 handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



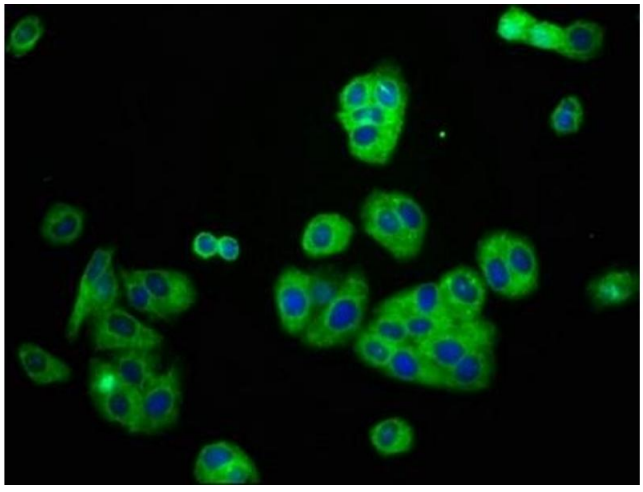
Immunohistochemistry

Image 1. IHC image of ABIN7145029 diluted at 1:500 and staining in paraffin-embedded human kidney tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



Immunohistochemistry

Image 2. IHC image of ABIN7145029 diluted at 1:500 and staining in paraffin-embedded human pancreatic cancer performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



Immunofluorescence

Image 3. Immunofluorescence staining of HepG2 cells with ABIN7145029 at 1:166, 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-congugated AffiniPure Goat Anti-Rabbit IgG(H+L).