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Datasheet for ABIN7145017  
**anti-KCNJ1 antibody (AA 165-379)**

2 Images

### Overview

Quantity:	100 µg
Target:	KCNJ1
Binding Specificity:	AA 165-379
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KCNJ1 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

### Product Details

Immunogen:	Recombinant Human ATP-sensitive inward rectifier potassium channel 10 protein (165-379AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

### Target Details

Target:	KCNJ1
Alternative Name:	KCNJ1 ( <a href="#">KCNJ1 Products</a> )
Background:	Background: May be responsible for potassium buffering action of glial cells in the brain. Inward rectifier potassium channels are characterized by a greater tendency to allow potassium to

## Target Details

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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 and cesium.

Aliases: inwardly rectifying subfamily J member 10 antibody, ATP dependent inwardly rectifying potassium channel Kir4.1 antibody, ATP sensitive inward rectifier potassium channel 10 antibody, ATP-dependent inwardly rectifying potassium channel Kir4.1 antibody, ATP-sensitive inward rectifier potassium channel 10 antibody, BIRK10 antibody, Glial ATP dependent inwardly rectifying potassium channel KIR4.1 antibody, Inward rectifier K(+) channel Kir1.2 antibody, Inward rectifier K+ channel KIR1.2 antibody, Inwardly rectifying potassium channel Kir1.2 antibody, KCJ10\_HUMAN antibody, KCNJ 10 antibody, Kcnj10 antibody, KCNJ13 PEN antibody, KIR1.2 antibody, KIR4.1 antibody, Potassium channel antibody, Potassium channel inwardly rectifying subfamily J member 10 antibody, Potassium inwardly rectifying channel subfamily J member 10 antibody, SESAME antibody

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UniProt: [P78508](#)

## Application Details

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Application Notes: Recommended dilution: IHC:1:200-1:500, IF:1:50-1:200,

Restrictions: For Research Use only

## Handling

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Format: Liquid

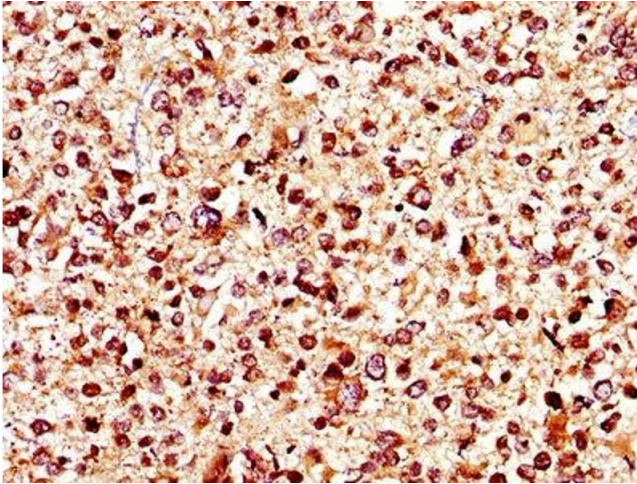
Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

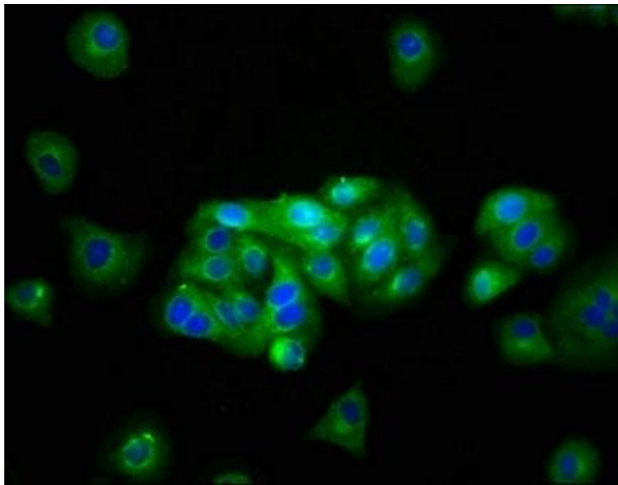
Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



#### Immunohistochemistry

**Image 1.** IHC image of ABIN7145017 diluted at 1:400 and staining in paraffin-embedded human glioma performed on a Leica Bond™ 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 2.** Immunofluorescence staining of HepG2 cells with ABIN7145017 at 1:133, 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).