

Datasheet for ABIN7157020  
**anti-KCNJ4 antibody (AA 316-445)**

## 3 Images

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## Overview

Quantity:	100 µL
Target:	KCNJ4
Binding Specificity:	AA 316-445
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KCNJ4 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

## Product Details

Immunogen:	Recombinant Human Inward rectifier potassium channel 4 protein (316-445AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Antigen Affinity Purified

## Target Details

Target:	KCNJ4
Alternative Name:	KCNJ4 ( <a href="#">KCNJ4 Products</a> )
Background:	Background: 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

## Target Details

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 (By similarity).

Aliases: Hippocampal inward rectifier antibody, Hippocampal inward rectifier potassium channel antibody, HIR antibody, HIRK2 antibody, HRK1 antibody, Inward rectifier K(+) channel Kir2.3 antibody, Inward rectifier K+ channel Kir2.3 antibody, Inward rectifier potassium channel 4 antibody, Inward rectifier potassium channel Kir 2.3 antibody, inwardly rectifying subfamily J member 4 antibody, IRK-3 antibody, IRK3 antibody, IRK4\_HUMAN antibody, KCNJ 4 antibody, Kcnj4 antibody, Kir2.3 antibody, MGC142066 antibody, MGC142068 antibody, OTTHUMP00000028922 antibody, Potassium channel antibody, Potassium channel inwardly rectifying subfamily J member 4 antibody, Potassium inwardly rectifying channel J4 antibody, Potassium inwardly rectifying channel subfamily J member 4 antibody

UniProt: [P48050](#)

## Application Details

Application Notes: Recommended dilution: WB:1:1000-1:5000, IHC:1:20-1:200,

Restrictions: For Research Use only

## Handling

Format: Liquid

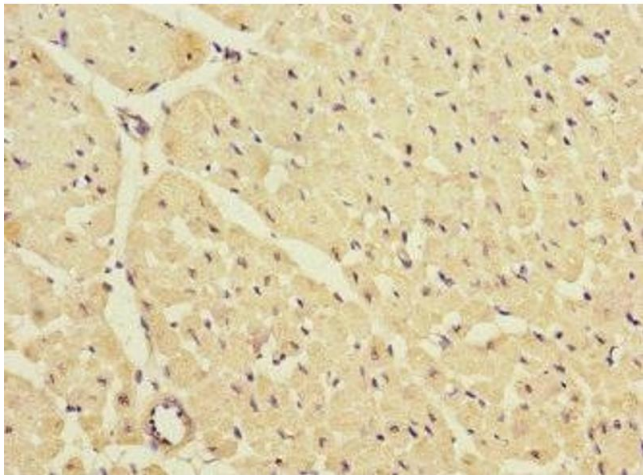
Buffer: PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3.

Preservative: Sodium azide

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

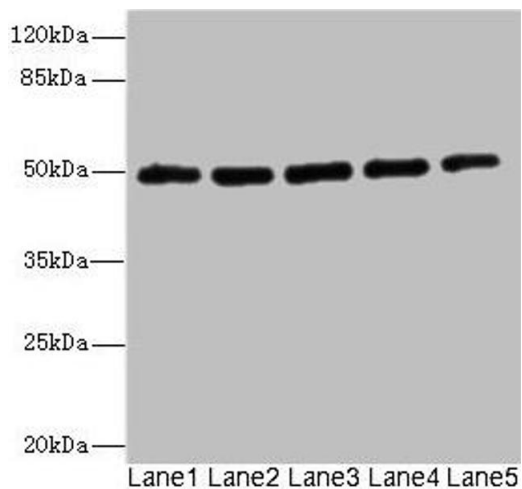
Storage: -20 °C, -80 °C

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



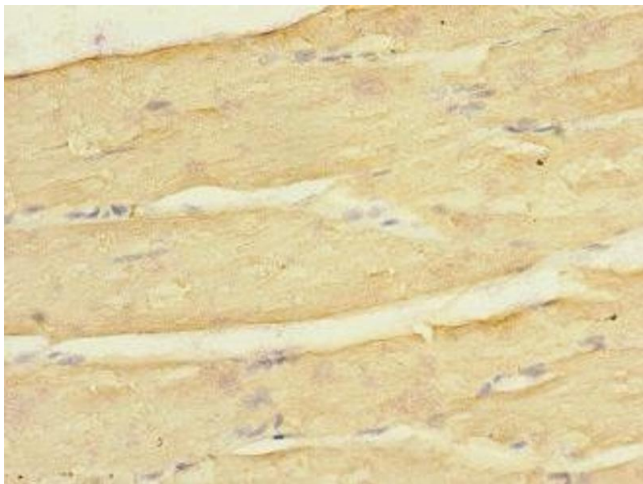
#### Immunohistochemistry

**Image 1.** Immunohistochemistry of paraffin-embedded human heart tissue using ABIN7157020 at dilution of 1:100



#### Western Blotting

**Image 2.** Western blot All lanes: KCNJ4 antibody at 2.04  $\mu$ g/mL Lane 1: Hela whole cell lysate Lane 2: 293T whole cell lysate Lane 3: HepG2 whole cell lysate Lane 4: Jurkat whole cell lysate Lane 5: MCF-7 whole cell lysate Secondary Goat polyclonal to rabbit IgG at 1/10000 dilution Predicted band size: 50 kDa Observed band size: 50 kDa



#### Immunohistochemistry

**Image 3.** Immunohistochemistry of paraffin-embedded human skeletal muscle tissue using ABIN7157020 at dilution of 1:100