

Datasheet for ABIN6142727  
**anti-KCNJ2 antibody (AA 318-427)**



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1 Image

## Overview

Quantity:	100 µL
Target:	KCNJ2
Binding Specificity:	AA 318-427
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KCNJ2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

## Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 318-427 of human KCNJ2 (NP_000882.1).
Sequence:	NEILWGHRYE PVLFECKHYH KVDYSRFHKT YVPNTPLCS ARDLAEKKYI LSNANSFCYE NEVALTSKEE DSENGVPES TSDTPPDID LHNQASVPLE PRPLRRESEI
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

## Target Details

Target:	KCNJ2
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## Target Details

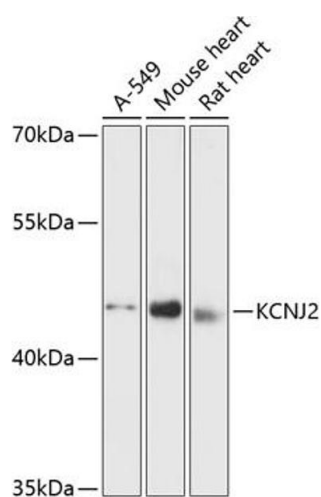
Alternative Name:	KCNJ2 ( <a href="#">KCNJ2 Products</a> )
Background:	<p>Potassium channels are present in most mammalian cells, where they participate in a wide range of physiologic responses. The protein encoded by this gene is an integral membrane protein and inward-rectifier type potassium channel. The encoded protein, which has a greater tendency to allow potassium to flow into a cell rather than out of a cell, probably participates in establishing action potential waveform and excitability of neuronal and muscle tissues.</p> <p>Mutations in this gene have been associated with Andersen syndrome, which is characterized by periodic paralysis, cardiac arrhythmias, and dysmorphic features.,KCNJ2,ATFB9,HHBIRK1,HHIRK1,IRK1,KIR2.1,LQT7,SQT3,Neuroscience,KCNJ2</p>
Molecular Weight:	48 kDa
Gene ID:	3759
UniProt:	<a href="#">P63252</a>

## Application Details

Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:200
Comment:	HIGH QUALITY
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
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



#### Western Blotting

**Image 1.** Western blot analysis of extracts of various cell lines, using KCNJ2 antibody (ABIN6129431, ABIN6142727, ABIN6142729 and ABIN6216772) at 1:3000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90s.