

Datasheet for ABIN7257571

**anti-KCNJ4 antibody****2** Images[Go to Product page](#)

## Overview

Quantity:	200 µL
Target:	KCNJ4
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KCNJ4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

## Product Details

Immunogen:	A synthetic peptide of human KCNJ4 (NP_004972.1).
Isotype:	IgG
Characteristics:	Polyclonal Antibody
Purification:	Affinity purification

## Target Details

Target:	KCNJ4
Alternative Name:	KCNJ4 ( <a href="#">KCNJ4 Products</a> )
Background:	Several different potassium channels are known to be involved with electrical signaling in the nervous system. One class is activated by depolarization whereas a second class is not. The latter are referred to as inwardly rectifying K <sup>+</sup> channels, and they have a greater tendency to allow potassium to flow into the cell rather than out of it. This asymmetry in potassium ion

## Target Details

conductance plays a key role in the excitability of muscle cells and neurons. The protein encoded by this gene is an integral membrane protein and member of the inward rectifier potassium channel family. The encoded protein has a small unitary conductance compared to other members of this protein family. Two transcript variants encoding the same protein have been found for this gene.

Molecular Weight:	Observed_MW: 49 kDa Calculated_MW: 49 kDa
-------------------	--

Gene ID:	3761
----------	------

UniProt:	<a href="#">P48050</a>
----------	------------------------

## Application Details

Application Notes:	WB 1:500-1:2000 IHC 1:50-1:200
--------------------	--------------------------------

Restrictions:	For Research Use only
---------------	-----------------------

## Handling

Format:	Liquid
---------	--------

Concentration:	1 mg/mL
----------------	---------

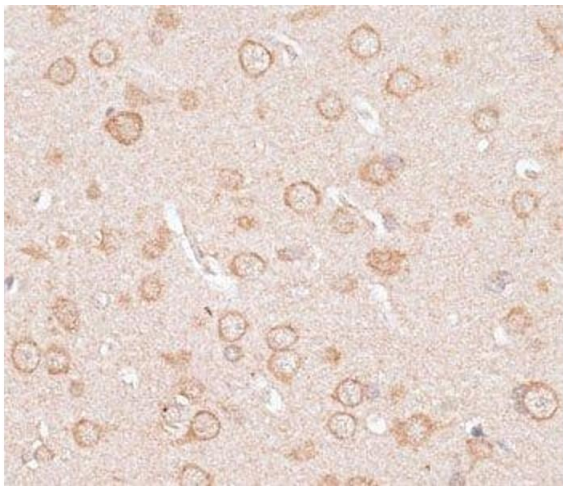
Buffer:	PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3
---------	---

Preservative:	Sodium azide
---------------	--------------

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

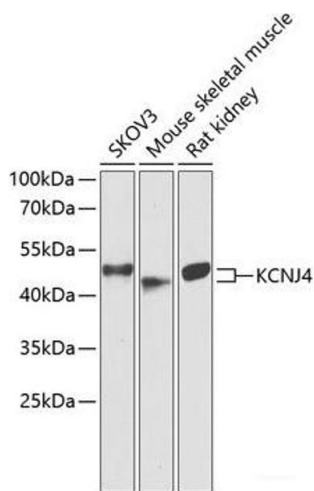
Storage:	-20 °C
----------	--------

Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.
------------------	---



Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Immunohistochemistry of paraffin-embedded Rat brain using KCNJ4 Polyclonal Antibody at dilution of 1:100 (40x lens).



Western Blotting

**Image 2.** Western blot analysis of extracts of various cell lines using KCNJ4 Polyclonal Antibody at dilution of 1:1000.