Datasheet for ABIN2776173

anti-KCNJ4 antibody (Middle Region)

1 Image

Go to Product page

Overview

Quantity:	100 µL
Target:	KCNJ4
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Dog, Guinea Pig, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KCNJ4 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human KCNJ4
Sequence:	AVAAGLGLEA GSKEEAGIIR MLEFGSHLDL ERMQASLPLD NISYRRESAI
Predicted Reactivity:	Dog: 100%, Guinea Pig: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against KCNJ4. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	KCNJ4
Alternative Name:	KCNJ4 (KCNJ4 Products)

Target Details

Background:	KCNJ4 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??een found for this gene. 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+ 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 conductance plays a key role in the excitability of muscle cells and neuronsSeveral 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+ 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 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. Alias Symbols: HIR, HIRK2, HRK1, IRK3, Kir2.3, MGC142066, MGC142068, IRK-3 Protein Interaction Partner: SNTA1, LIN7B, GNGT2, DLG2, IL16, DLG4, DLG1, KCNJ2, CASK, PRKCD, LIN7C, LIN7A, DMD, Protein Size: 445
Molecular Weight:	49 kDa
Gene ID:	3761
NCBI Accession:	NM_004981, NP_004972
UniProt:	P48050

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 445 AA
Restrictions:	For Research Use only

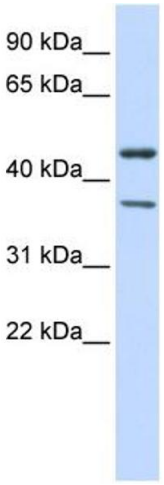
Handling

Format:	Liquid

Handling

Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-KCNJ4 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:62500 Positive Control: 293T cell lysate KCNJ4 is supported by BioGPS gene expression data to be expressed in HEK293T