Datasheet for ABIN953009

anti-KCNJ4 antibody (N-Term)

1 Image

Go to Product page

Overview

Quantity:	0.4 mL
Target:	KCNJ4
Binding Specificity:	AA 1-30, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KCNJ4 antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human KCNJ4
Isotype:	Ig Fraction
Specificity:	This antibody recognizes Human KCNJ4 (N-term).
Purification:	Protein A column, followed by peptide affinity purification

Target Details

Target:	KCNJ4
Alternative Name:	KCNJ4 (KCNJ4 Products)
Background:	Several different potassium channels are known to be involved with electrical signaling in the

Target Details

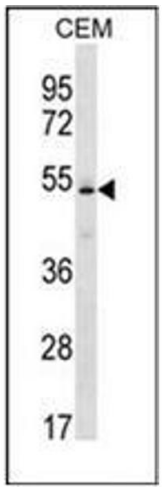
	nervous system. One class is activated by depolarization whereas a second class is not. The latter are referred to as inwardly rectifying K+ channels, and they have a greater tendency to allow potassium to flow into the cell rather than out of it. This asymmetry in potassium ion conductance plays a key 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. [provided by RefSeq].Synonyms: HIR, HIRK2, HRK1, Hippocampal inward rectifier, Inward rectifier K(+) channel Kir2.3, Inward rectifier potassium channel 4, KCNJ4, Potassium channel, inwardly rectifying subfamily J member 4
Molecular Weight:	49500 Da
Gene ID:	3761
NCBI Accession:	NP_004972

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS containing 0.09 % (W/V) Sodium Azide as preservative
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 freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Western Blotting

Image 1. Western blot analysis of KCNJ4 Antibody (N-term) in CEM cell line lysates (35ug/lane). This demonstrates the KCNJ4 antibody detected the KCNJ4 protein (arrow).