

Datasheet for ABIN6142734
anti-KCNJ4 antibody (AA 50-150)

2 Images

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Overview

Quantity:	100 µL
Target:	KCNJ4
Binding Specificity:	AA 50-150
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KCNJ4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	A synthetic peptide corresponding to a sequence within amino acids 50-150 of human KCNJ4 (NP_004972.1).
Sequence:	CVDTRWRYML MIFSA AFLVS WLFFGLLFWC IAFFHGDLEA SPGVPAAGGP AAGGGGAAPV APKPCIMHVN GFLGAFLFSV ETQTTIGYGF RCVTEECPLA V
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Target Details

Target:	KCNJ4
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Target Details

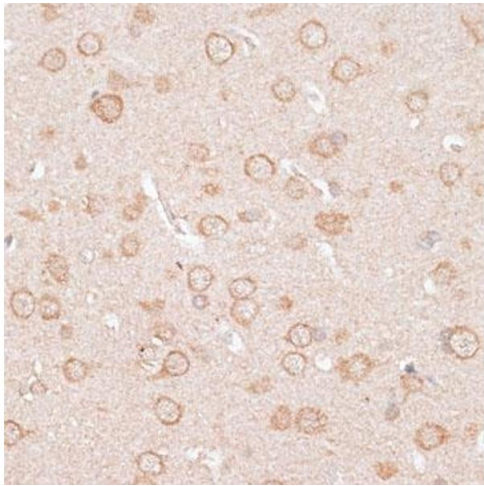
Alternative Name:	KCNJ4 (KCNJ4 Products)
Background:	Several different potassium channels are known to be involved with electrical signaling in the nervous system. One class is activated by depolarization whereas a second class is not. The latter are referred to as inwardly rectifying K ⁺ channels, and 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.,KCNJ4,HIR,HIRK2,HRK1,IRK-3,IRK3,Kir2.3,Neuroscience,KCNJ4
Molecular Weight:	49 kDa
Gene ID:	3761
UniProt:	P48050

Application Details

Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:200
Restrictions:	For Research Use only

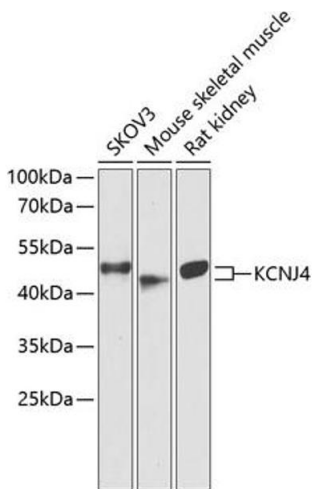
Handling

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



Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded rat brain using KCNJ4 antibody (ABIN6134096, ABIN6142734, ABIN6142737 and ABIN6218214) at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using KCNJ4 antibody (ABIN6134096, ABIN6142734, ABIN6142737 and ABIN6218214) at 1:1000 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 Enhanced Kit (RM00021). Exposure time: 30s.