

Datasheet for ABIN6142731
anti-KCNJ3 antibody (AA 50-150)[Go to Product page](#)

1 Image

Overview

Quantity:	100 µL
Target:	KCNJ3
Binding Specificity:	AA 50-150
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KCNJ3 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 KCNJ3 (NP_002230.1).
Sequence:	NGRCNVQHGN LGSETSRYS DLFTTLVDLK WRWNLFIL TYTVAWLFMA SMWWVIAYTR GDLNKAHVGN YTPCVANVYN FPSAFLFFIE TEATIGYGYR Y
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Target Details

Target:	KCNJ3
---------	-------

Target Details

Alternative Name: KCNJ3 ([KCNJ3 Products](#))

Background: 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, is controlled by G-proteins and plays an important role in regulating heartbeat. It associates with three other G-protein-activated potassium channels to form a heteromultimeric pore-forming complex that also couples to neurotransmitter receptors in the brain and whereby channel activation can inhibit action potential firing by hyperpolarizing the plasma membrane. These multimeric G-protein-gated inwardly-rectifying potassium (GIRK) channels may play a role in the pathophysiology of epilepsy, addiction, Down's syndrome, ataxia, and Parkinson's disease. Alternative splicing results in multiple transcript variants encoding distinct proteins.,KCNJ3,GIRK1,KGA,KIR3.1,Neuroscience,Cardiovascular,Heart,Cardiac arrhythmias,KCNJ3

Molecular Weight: 26 kDa/56 kDa

Gene ID: 3760

UniProt: [P48549](#)

Application Details

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

Restrictions: For Research Use only

Handling

Format: Liquid

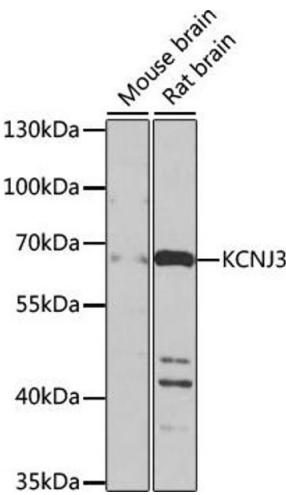
Buffer: PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.

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.



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using KCNJ3 antibody (ABIN6134057, ABIN6142731, ABIN6142733 and ABIN6225132) 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: 10s.