



Rabbit Anti-GIRK1/KCNJ3 antibody

SL6672R

Product Name:	GIRK1/KCNJ3
Chinese Name:	G蛋白激活内向钾通道1抗体
Alias:	inwardly rectifying subfamily J member 3; G protein activated inward rectifier potassium channel 1; G protein-activated inward rectifier potassium channel 1; GIRK-1; Inward rectifier K(+) channel Kir3.1; Inwardly rectifying potassium channel KIR3.1; IRK3; IRK3_HUMAN; Kcnf3; Kcnj3; KGA; KGB1; Kir3.1; Potassium channel; Potassium channel, inwardly rectifying subfamily J member 3; Potassium inwardly-rectifying channel, subfamily J, member 3.
文献引用 PubMed :	<p>Specific References(1) SL6672R has been referenced in 1 publications.</p> <p>[IF=5.90]Zhao, Jing, et al. "Chronic obstructive sleep apnea causes atrial remodeling in canines: mechanisms and implications." Basic Research in Cardiology 109.5 (2014): 1-13.WB;Dog.</p> <p style="text-align: right;">PubMed:25015734</p>
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Rabbit,Guinea Pig,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	55kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human GIRK1:81-180/501<Extracellular>
Lsotype:	IgG

Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	<p>This potassium channel is controlled by G proteins. Inward rectifier potassium channels are characterized by a greater tendency to allow potassium to flow into the cell rather than out of it. Their voltage dependence is regulated by the concentration of extracellular potassium; as external potassium is raised, the voltage range of the channel opening shifts to more positive voltages. The inward rectification is mainly due to the blockage of outward current by internal magnesium. This receptor plays a crucial role in regulating the heartbeat.</p> <p>Function: This potassium channel is controlled by G proteins. Inward rectifier potassium channels are characterized by a greater tendency to allow potassium to flow into the cell rather than out of it. Their voltage dependence is regulated by the concentration of extracellular potassium; as external potassium is raised, the voltage range of the channel opening shifts to more positive voltages. The inward rectification is mainly due to the blockage of outward current by internal magnesium. This receptor plays a crucial role in regulating the heartbeat.</p> <p>Subunit: Associates with GIRK2, GIRK3 or GIRK4 to form a G-protein activated heteromultimer pore-forming unit. The resulting inward current is much larger.</p> <p>Subcellular Location: Membrane; Multi-pass membrane protein.</p> <p>Similarity: Belongs to the inward rectifier-type potassium channel (TC 1.A.2.1) family. KCNJ3 subfamily.</p> <p>SWISS: P48549</p> <p>Gene ID: 3760</p> <p>Database links: Entrez Gene: 3760Human Entrez Gene: 16519Mouse</p>

[Entrez Gene: 50599](#)Rat

[Omim: 601534](#)Human

[SwissProt: P48549](#)Human

[SwissProt: P63250](#)Mouse

[SwissProt: P63251](#)Rat

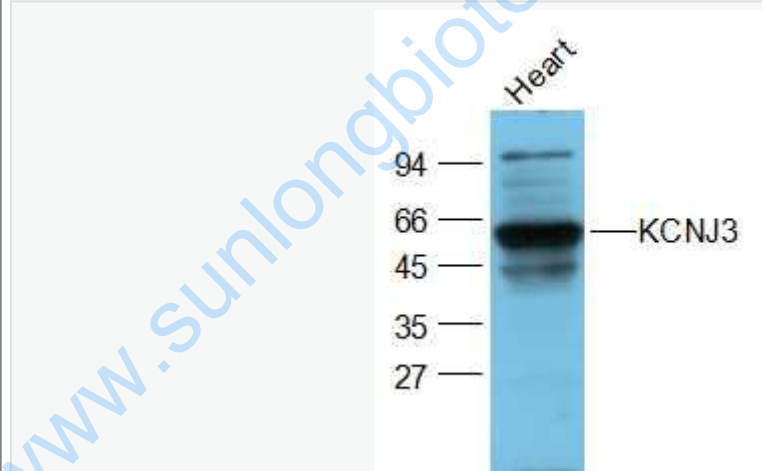
[Unigene: 591606](#)Human

[Unigene: 5127](#)Mouse

[Unigene: 9809](#)Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.



Picture:

Sample:

Heart (Mouse) Lysate at 40 ug

Primary: Anti-KCNJ3 (SL6672R) at 1/2000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 55 kD

Observed band size: 60 kD

