Datasheet for ABIN1387904

anti-KCNJ8 antibody (AA 61-160)

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Overview

Quantity:	100 µL
Target:	KCNJ8
Binding Specificity:	AA 61-160
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KCNJ8 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human kir 6.1
Isotype:	IgG
Cross-Reactivity:	Rat
Predicted Reactivity:	Human,Mouse,Cow,Pig,Chicken,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	KCNJ8

Target Details

Alternative Name:	kir 6.1 (KCNJ8 Products)
Background:	Synonyms: KIR6.1, uKATP-1, ATP-sensitive inward rectifier potassium channel 8, Inward rectifier K(+) channel Kir6.1, Potassium channel, inwardly rectifying subfamily J member 8, KCNJ8 Background: 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. Can be blocked by external barium (By similarity).
Gene ID:	3764
UniProt:	Q15842

Application Details

Application Notes:	WB 1:300-5000
	ELISA 1:500-1000
	IHC-P 1:200-400
	IHC-F 1:100-500
	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200

Restrictions:	For Research Use only

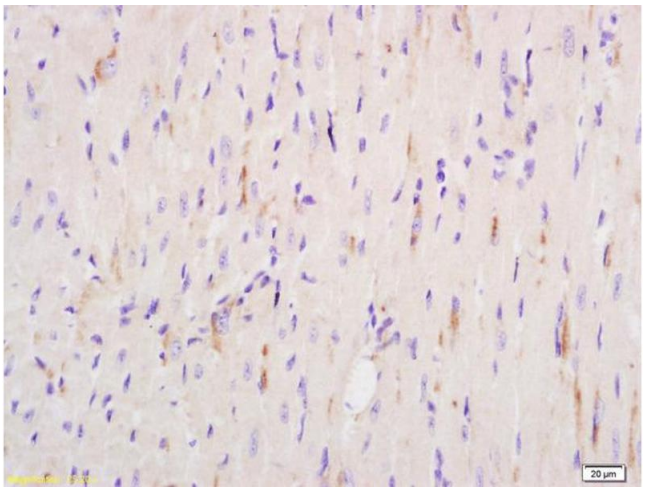
Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C

Handling

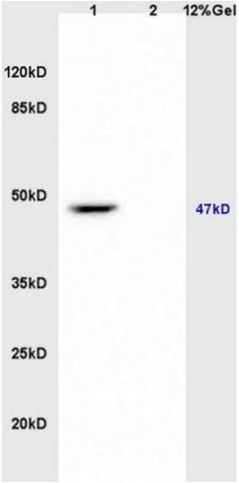
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Images



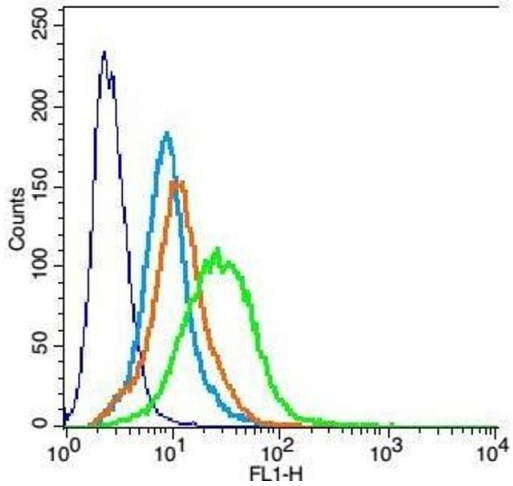
Immunohistochemistry

Image 1. Formalin-fixed and paraffin embedded mouse heart tissue labeled with Anti-kir 6.1/IRK8 Polyclonal Antibody, Unconjugated (ABIN1387904) at 1:200 followed by conjugation to the secondary antibody



SDS-PAGE

Image 2. Lane 1: mouse brain lysates Lane 2: mouse heart lysates probed with Anti kir 6.1/IRK8 Polyclonal Antibody, Unconjugated (ABIN1387904) at 1:200 in 4 °C. Followed by conjugation to secondary antibody at 1:3000 90min in 37 °C. Predicted band 47kD. Observed band size: 47kD.



Flow Cytometry

Image 3. H9C2 cells probed with Rabbit Anti-kir 6.1 Polyclonal Antibody, Unconjugated at 3ug for 30 minutes followed by incubation with a conjugated secondary -FITC) (green) for 30 minutes compared to control cells (blue), secondary only (light blue) and isotype control (orange).