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## Datasheet for ABIN653157 anti-KCNJ11 antibody (N-Term)

2 Images



#### Overview

Quantity:	400 µL
Target:	KCNJ11
Binding Specificity:	AA 1-30, N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KCNJ11 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS)

#### Product Details

Immunogen:	This KCNJ11 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human KCNJ11.
Clone:	RB21238
lsotype:	Ig Fraction
Predicted Reactivity:	Rb
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.
Target Details	

Target:	KCNJ11
Alternative Name:	KCNJ11 (KCNJ11 Products)

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## Target Details

Background:	ATP-sensitive potassium (K(ATP)) channels are found in endocrine cells, neurons and both
	smooth and striated muscle, where they play an important role in controlling insulin secretion
	and vascular tone, and protect neurons under metabolic stress. Kir6.2 is a member of the
	inward rectifier potassium channel family, which is characterised by a greater tendency to allow
	potassium flow into the cell rather than out of it. It associates with the sulphonylurea receptor
	SUR1/ABCC8 to form a subfamily of K(ATP) channels that, when mutated or misregulated, are
	associated with forms of hyperinsulinemic hypoglycemia, neonatal diabetes, or pre-disposition
	to type 2 diabetes mellitus.

Molecular Weight:	43541
Gene ID:	3767
NCBI Accession:	NP_001159762
UniProt:	Q14654
Pathways:	Negative Regulation of Hormone Secretion

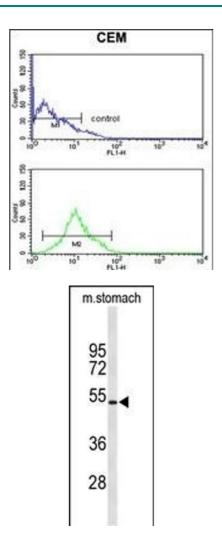
## Application Details

Application Notes:	WB: 1:1000. FC: 1:10~50
Restrictions:	For Research Use only

## Handling

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Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
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:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

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#### **Flow Cytometry**

**Image 1.** KCNJ11 Antibody (N-term) (ABIN653157 and ABIN2842725) flow cytometry analysis of CEM cells (bottom histogram) compared to a negative control cell (top histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

#### Western Blotting

**Image 2.** Western blot analysis of KCNJ11 Antibody (N-term) (ABIN653157 and ABIN2842725) in mouse stomach tissue lysates ( $35 \mu g$ /lane). KCNJ11 (arrow) was detected using the purified Pab.

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