Datasheet for ABIN953007

anti-KCNJ11 antibody (N-Term)

2 Images

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Overview

Quantity:	0.4 mL
Target:	KCNJ11
Binding Specificity:	AA 6-35, N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KCNJ11 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 6~35 amino acids from the N-terminal region of human KCNJ11
Isotype:	Ig Fraction
Purification:	Protein A column, followed by peptide affinity purification

Target Details

Target:	KCNJ11
Alternative Name:	KCNJ11 (KCNJ11 Products)
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

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Target Details

	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. Provided below are standard protocols that you may find useful for product applications. Synonyms: ATP-sensitive inward rectifier potassium channel 11, IKATP, Inward rectifier K+ channel Kir6.2, KCNJ11, Potassium channel, inwardly rectifying subfamily J member 11
Molecular Weight:	43541 Da
Gene ID:	9606
Pathways:	Negative Regulation of Hormone Secretion

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS containing 0.09 % (W/V) Sodium Azide as preservative
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.

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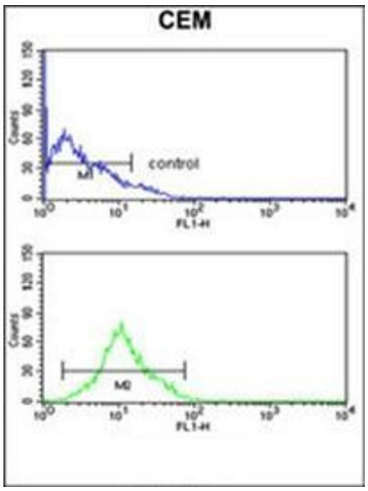
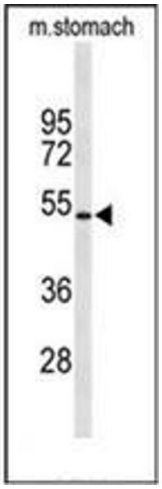


Flow Cytometry

Image 1. Flow cytometry analysis of CEM cells using KCNJ11 Antibody (N-term) Cat.-No AP52309PU-N (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) in mouse stomach tissue lysates (35ug/lane). KCNJ11 (arrow) was detected using the purified Pab.

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