

Product datasheet for **AP52309PU-N**

KCNJ11 (N-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	FC, WB
Recommended Dilution:	ELISA: 1/1000. Western Blot: 1/100-1/500. Flow Cytometry: 1/10-1/50.
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 6~35 amino acids from the N-terminal region of human KCNJ11
Specificity:	This antibody recognizes Human and Mouse KCNJ11 (N-term).
Formulation:	PBS containing 0.09% (W/V) Sodium Azide as preservative State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Protein A column, followed by peptide affinity purification
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	potassium voltage-gated channel subfamily J member 11
Database Link:	Entrez Gene 3767 Human Q14654



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Background:

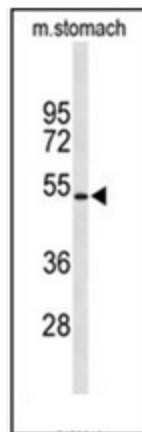
ATP-sensitive potassium (K(ATP)) channels are found in endocrine cells, neurons and both smooth and striated muscle, where they play an important role in controlling insulin secretion and vascular tone, and protect neurons under metabolic stress. Kir6.2 is a member of the inward rectifier potassium channel 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. Provided below are standard protocols that you may find useful for product applications.

Synonyms:

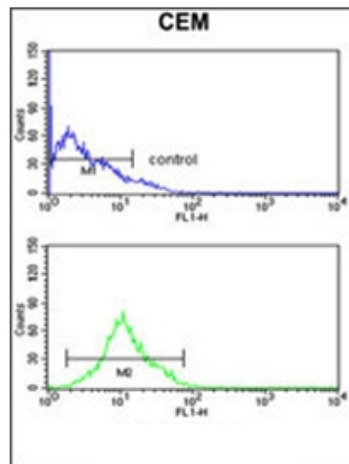
KCNJ11, Inward rectifier K⁺ channel Kir6.2, IKATP

Note:

Molecular Weight: 43541 Da

Product images:


Western blot analysis of KCNJ11 Antibody (N-term) Cat.-No AP52309PU-N in mouse stomach tissue lysates (35ug/lane). KCNJ11 (arrow) was detected using the purified Pab.



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.