Anti-KCNJ11 antibody

Cat. No.	ml222288
Package	25 μl/100 μl/200 μl
Storage	-20°C, pH7.4 PBS, 0.05% NaN3, 40% Glycerol

Product overview

Description	Anti-KCNJ11 rabbit polyclonal antibody
Applications	ELISA, IHC
Immunogen	Fusion protein of human KCNJ11
Reactivity	Human, Mouse, Rat
Content	0.7 mg/ml
Host species	Rabbit
Ig class	Immunogen-specific rabbit IgG
Purification	Antigen affinity purification

Target information

Symbol	KCNJ11
Full name	potassium inwardly-rectifying channel, subfamily J, member 11
Synonyms	BIR; HHF2; PHHI; IKATP; TNDM3; KIR6.2
Swissprot	Q14654

Target Background

Potassium channels are present in most mammalian cells, where they participate in a wide range of physiologic responses. The protein encoded by this gene is an integral membrane protein and inward-rectifier type potassium channel. The encoded protein, which has a greater tendency to allow potassium to flow into a cell rather than out of a cell, is controlled by G-proteins and is found associated with the sulfonylurea receptor SUR. Mutations in this gene are a cause of familial persistent hyperinsulinemic hypoglycemia of infancy (PHHI), an autosomal recessive disorder characterized by unregulated insulin secretion. Defects in this gene may also contribute to autosomal dominant non-insulin-dependent diabetes mellitus type II (NIDDM), transient neonatal diabetes mellitus type 3 (TNDM3), and permanent neonatal diabetes mellitus (PNDM). Multiple alternatively spliced transcript variants that encode different protein isoforms have been described for this gene.

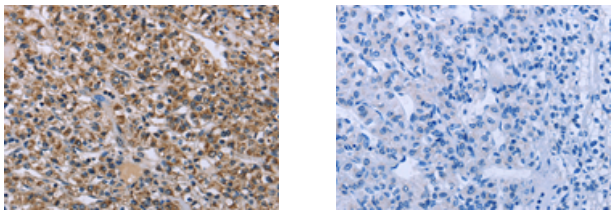
Applications

Immunohistochemistry

Predicted cell location: Cytoplasm

Positive control: Human prostate cancer

Recommended dilution: 50-200



The image on the left is immunohistochemistry of paraffin-embedded Human prostate cancer tissue using ml222288(KCNJ11 Antibody) at dilution 1/40, on the right is treated with fusion protein. (Original magnification: ×200)

ELISA

Recommended dilution: 2000-5000

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