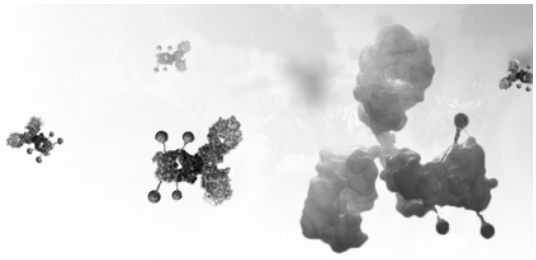

Anti-KCNJ2 (aa 328-427) polyclonal antibody (DPAB-DC1772)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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, probably participates in establishing action potential waveform and excitability of neuronal and muscle tissues. Mutations in this gene have been associated with Andersen syndrome, which is characterized by periodic paralysis, cardiac arrhythmias, and dysmorphic features.
Immunogen	KCNJ2 (NP_000882, 328 a.a. ~ 427 a.a) partial recombinant protein with GST tag. The sequence is PVLFEEKHYYKVDYSRFHKTYEVPNTPLCSARDLAEKKYILSNANSFCYENEVALTSKEE DDSENGVPESTSTDTPPDIDLHNQASVPLEPRPLRRESEI
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Cell lysate), WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

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Gene Name	KCNJ2 potassium inwardly-rectifying channel, subfamily J, member 2 [Homo sapiens (human)]
Official Symbol	KCNJ2
Synonyms	KCNJ2; potassium inwardly-rectifying channel, subfamily J, member 2; IRK1; LQT7; SQT3; ATFB9; HHIRK1; KIR2.1; HHBIRK1; inward rectifier potassium channel 2; IRK-1; hIRK1; inward rectifier K+ channel KIR2.1; cardiac inward rectifier potassium channel;
Entrez Gene ID	3759
Protein Refseq	NP_000882
UniProt ID	P63252
Chromosome Location	17q24.3
Pathway	Activation of G protein gated Potassium channels; Cholinergic synapse; G protein gated Potassium channels; GABA receptor activation
Function	identical protein binding; inward rectifier potassium channel activity; phosphatidylinositol-4,5-bisphosphate binding; voltage-gated potassium channel activity involved in cardiac muscle cell action potential repolarization

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