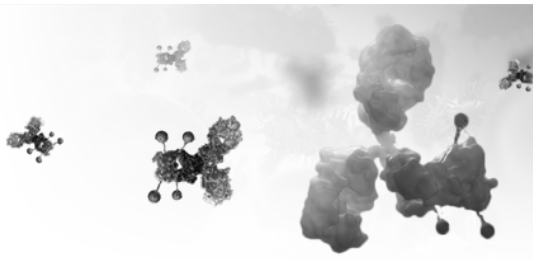

Anti-KCNJ1 (aa 292-391) polyclonal antibody (DPAB-DC1771)

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. It is activated by internal ATP and probably plays an important role in potassium homeostasis. The encoded protein has a greater tendency to allow potassium to flow into a cell rather than out of a cell. Mutations in this gene have been associated with antenatal Bartter syndrome, which is characterized by salt wasting, hypokalemic alkalosis, hypercalciuria, and low blood pressure. Multiple transcript variants encoding different isoforms have been found for this gene.
Immunogen	KCNJ1 (NP_000211, 292 a.a. ~ 391 a.a) partial recombinant protein with GST tag. The sequence is ELVVFLDGTVESTSATCQVRTSYVPEEVLWGYRFAPIVSKTKEGKYRVDFHNFSKTVEVETPHCAMCLYNEKDVRARMKRGYDNPNFILSEVNETDDTKM
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	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.

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GENE INFORMATION

Gene Name	KCNJ1 potassium inwardly-rectifying channel, subfamily J, member 1 [Homo sapiens (human)]
Official Symbol	KCNJ1
Synonyms	KCNJ1; potassium inwardly-rectifying channel, subfamily J, member 1; ROMK; ROMK1; KIR1.1; ATP-sensitive inward rectifier potassium channel 1; inwardly rectifying K+ channel; inward rectifier K(+) channel Kir1.1; ATP-regulated potassium channel ROM-K; potassium channel, inwardly rectifying subfamily J member 1;
Entrez Gene ID	3758
Protein Refseq	NP_000211
UniProt ID	A8K432
Chromosome Location	11q24
Pathway	Aldosterone-regulated sodium reabsorption; Gastric acid secretion; Inwardly rectifying K+ channels; Potassium Channels
Function	ATP binding; inward rectifier potassium channel activity; phosphatidylinositol-4,5-bisphosphate binding;

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