



## Anti-KCNF1 (full length) polyclonal antibody (DPAB-DC1767)

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

### PRODUCT INFORMATION

<b>Antigen Description</b>	Voltage-gated potassium (K <sub>v</sub> ) channels represent the most complex class of voltage-gated ion channels from both functional and structural standpoints. Their diverse functions include regulating neurotransmitter release, heart rate, insulin secretion, neuronal excitability, epithelial electrolyte transport, smooth muscle contraction, and cell volume. This gene encodes a member of the potassium channel, voltage-gated, subfamily F. This gene is intronless and expressed in all tissues tested, including the heart, skeletal muscle, brain, kidney, and pancreas.
<b>Immunogen</b>	KCNF1 (AAH26110, 1 a.a. ~ 494 a.a) full-length recombinant protein with GST tag. The sequence is  MDGSGERSLPEPGSQSSAASDDIEIVNVGGVRQVLYGDLLSQYPETRLAELINCLAGGY DTIFSLCDDYDPGKREFYFDRDPDAFKCVIEVYYFGEVHMKGKICPICFKNEMDFWKVDL KFLDDCCKSHLSEKREELEEIARRVQLILDDLGVDAAEGRWRRQCQKCVWKFLEKPESSCP ARVVAVLSFLLILVSSVVMCMGTIPELQLDAEGNRVEHPTLENVETACIGWFTLEYLLR LFSSPNKLHFALSFMNIVDVLAILPFYVSLTLTHLGARMMELTNVQQAVQALRIMRIARI FKLARHSSGLQTLTYALKRSFKELGLLLMLAVGIFVFSALGYTMEQSHPETLFKSIPQS FWWAIITMTTVGYGDIYPKTTLGKLNAISFLCGVIAIALPIH
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB (Recombinant protein), ELISA,
<b>Size</b>	50 µl
<b>Buffer</b>	50 % glycerol

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<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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## GENE INFORMATION

<b>Gene Name</b>	<a href="#">KCNF1 potassium voltage-gated channel, subfamily F, member 1 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	KCNF1
<b>Synonyms</b>	KCNF1; potassium voltage-gated channel, subfamily F, member 1; IK8; kH1; KCNF; KV5.1; potassium voltage-gated channel subfamily F member 1; potassium channel KH1; potassium channel Kv5.1; voltage-gated potassium channel subunit Kv5.1;
<b>Entrez Gene ID</b>	<a href="#">3754</a>
<b>Protein Refseq</b>	<a href="#">NP_002227</a>
<b>UniProt ID</b>	<a href="#">Q9H3M0</a>
<b>Chromosome Location</b>	2p25
<b>Pathway</b>	Neuronal System; Voltage gated Potassium channels;
<b>Function</b>	delayed rectifier potassium channel activity; potassium channel activity;

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