



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

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

PRODUCT INFORMATION

Antigen Description	Voltage-gated potassium (Kv) 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.
Immunogen	KCNF1 (AAH26110, 1 a.a. ~ 494 a.a) full-length recombinant protein with GST tag. The sequence is MDGSGERSLPEPGSQSSAASDDIEIVNVGGVRQVLYGDLLSQYPETRLAELINCLAGGY DTIFSLCDDYDPGKREFYFDRDPDAFKCVIEVYFGEVHMKKGICPICFKNEMDFWKVDL KFLDDCKSHLSEKREELEEIARRVQLILDDLGVDAAEGRWRRQKCVWKFLEKPESSCP ARVVAVLSFLLILVSSVVMCMGTIPELQVLDAEGNRVEHPTLENVETACIGWFTLEYLLR LFSSPNKLHFALSFMNIVDVLAILPFYVSLTLTHLGARMMELTNVQQAVQALRIMRIARI FKLARHSSGLQTLTYALKRSFKELGLLMLYAVGIFVFSALGYTMEQSHPETLFKSIPQS FWWAIITMTTVGYGDIYPKTTLGKLNAAISFLCGVIAIALPIH
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.

GENE INFORMATION

Gene Name	KCNF1 potassium voltage-gated channel, subfamily F, member 1 [Homo sapiens (human)]
Official Symbol	KCNF1
Synonyms	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;
Entrez Gene ID	3754
Protein Refseq	NP_002227
UniProt ID	Q9H3M0
Chromosome Location	2p25
Pathway	Neuronal System; Voltage gated Potassium channels;
Function	delayed rectifier potassium channel activity; potassium channel activity;