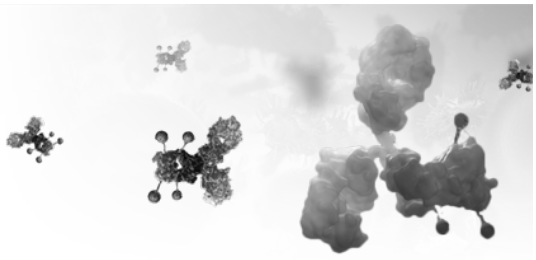

Anti-KCNG3 (aa 23-121) polyclonal antibody (DPAB-DC751)

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 G. This member is a gamma subunit functioning as a modulatory molecule. Alternative splicing results in two transcript variants encoding distinct isoforms.
Immunogen	KCNG3 (NP_579875, 23 a.a. ~ 121 a.a) partial recombinant protein with GST tag. The sequence is SRELLKDFPLRRVSRLHGCRSERDVLEVCDDYDRERNEYFFDRHSEAFGFILLYVRGHGK LRFAPRMCELSFYNEMIYWGLEGAHLEYCCQRRLDDRMS
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Tissue 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	KCNG3 potassium voltage-gated channel, subfamily G, member 3 [Homo sapiens (human)]
Official Symbol	KCNG3
Synonyms	KCNG3; potassium voltage-gated channel, subfamily G, member 3; KV6.3; KV10.1; potassium voltage-gated channel subfamily G member 3; voltage-gated potassium channel 6.3; voltage-gated potassium channel Kv10.1; voltage-gated potassium channel subunit Kv6.3; voltage-gated potassium channel subunit Kv6.4; voltage-gated potassium channel subunit Kv10.1;
Entrez Gene ID	170850
Protein Refseq	NP_579875
UniProt ID	Q8TAE7
Chromosome Location	2p21
Pathway	Neuronal System; Voltage gated Potassium channels.
Function	delayed rectifier potassium channel activity; protein binding;

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