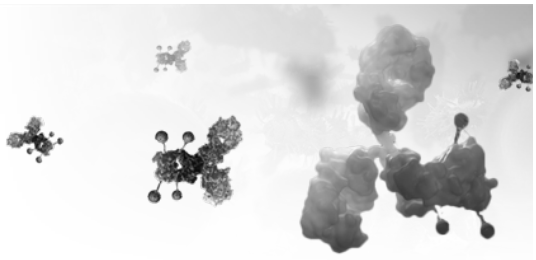

Anti-KCNQ1 (aa 662-676) polyclonal antibody (DPABH-24423)

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

PRODUCT INFORMATION

Antigen Description	Probably important in cardiac repolarization. Associates with KCNE1 (MinK) to form the I(Ks) cardiac potassium current. Elicits a rapidly activating, potassium-selective outward current. Muscarinic agonist oxotremorine-M strongly suppresses KCNQ1/KCNE1 current in CHO cells in which cloned KCNQ1/KCNE1 channels were coexpressed with M1 muscarinic receptors. May associate also with KCNE3 (MiRP2) to form the potassium channel that is important for cyclic AMP-stimulated intestinal secretion of chloride ions, which is reduced in cystic fibrosis and pathologically stimulated in cholera and other forms of secretory diarrhea.
Specificity	This antibody is expected to recognize both reported isoforms (NP_000209.2; NP_861463.1).
Immunogen	Synthetic peptide: C-EQLTVPRRGPDEGS, corresponding to C terminal amino acids 662-676 of Human KCNQ1 (NP_000209.2).
Isotype	IgG
Source/Host	Goat
Species Reactivity	Human
Purification	Immunogen affinity purified
Conjugate	Unconjugated
Applications	WB
Format	Liquid
Size	100 µg
Buffer	Constituents: 0.5% BSA, Tris buffered saline, pH 7.3

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Preservative	0.02% Sodium Azide
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

GENE INFORMATION

Gene Name	KCNQ1 potassium voltage-gated channel, KQT-like subfamily, member 2 [Homo sapiens]
Official Symbol	KCNQ1
Synonyms	KCNQ1; potassium voltage-gated channel, KQT-like subfamily, member 1; LQT; RWS; WRS; LQT1; SQT2; ATFB1; ATFB3; JLNS1; KCNA8; KCNA9; Kv1.9; Kv7.1; KVLQT1; potassium voltage-gated channel subfamily KQT member 1; slow delayed rectifier channel subunit; voltage-gated potassium channel subunit Kv7.1; kidney and cardiac voltage dependend K+ channel; IKs producing slow voltage-gated potassium channel subunit alpha KvLQT1;
Entrez Gene ID	3784
Protein Refseq	NP_000209.2
UniProt ID	P51787
Pathway	Adrenergic signaling in cardiomyocytes; Cholinergic synapse; Gastric acid secretion; Pancreatic secretion
Function	calmodulin binding; delayed rectifier potassium channel activity; contributes_to delayed rectifier potassium channel activity; ion channel binding

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