



KCNE1 Polyclonal Antibody

Targets to the membrane raft when associated with KCNQ1 (PubMed:20533308 Tissue Specificity Expressed in lung, kidney, testis, ovaries, small intestine, peripheral blood leukocytes. Expressed in the heart (PubMed:19219384). Not detected in pancreas, spleen, prostate and colon. Restrictively localized in the apical membrane portion of epithelial cells. Function disease:Defects in KCNE1 are the cause of Jervell and Lange-Nielsen syndrome type 2 (JLNS2) [MIM:612347]. JLNS2 is an autosomal recessive disorder characterized by congenital deafness, prolongation of the QT interval, syncopal		
Reactivity Human;Rat;Mouse Applications WB;ELISA Gene Name KCNE1 Protein Name Potassium channel subunit IsK) (IKs producing slow voltage-gated potassium channel subunit beta Mink) (Minimal potassium channel Immunogen Synthesized peptide derived from human protein . at AA range: 40-120 Specificity KCNE1 Polyclonal Antibody detects endogenous levels of protein. Formulation Liquid in PBS containing 50% glycerol, and 0.02% sodium azide. Source Polyclonal, Rabbit,IgG Purification The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. Dilution WB 1:500-2000 ELISA 1:5000-20000 Concentration 1 mg/ml Purify ≥90% Storage Stability -20°C/1 year Synonyms Cell membrane raft. Colocalizes with KCNB1 at the plasma membrane (By similarity Targets to the membrane raft when associated with KCN01 (PubMed 20533308) Tissue Specificity Expressed in lung, kidney, testis, ovaries, small intestine, peripheral blood leukov(Res. Expressed in the baar (PubMed 1291334). Not detected in pancras, spleen, porstate and colon, Restrictively localized in the apical membrane rybre (JuNS2) [MIM:612347]. JUNS2 is an autosomal recessive disorder charace/approximation of the QT interval, syncopal	Catalog No	BYab-05951
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death.,disease:Defects in KCNE1 are the cause of long QT syndrome type 5	Function	characterized by congenital deafness, prolongation of the QT interval, syncopal attacks due to ventricular arrhythmias, and a high risk of sudden
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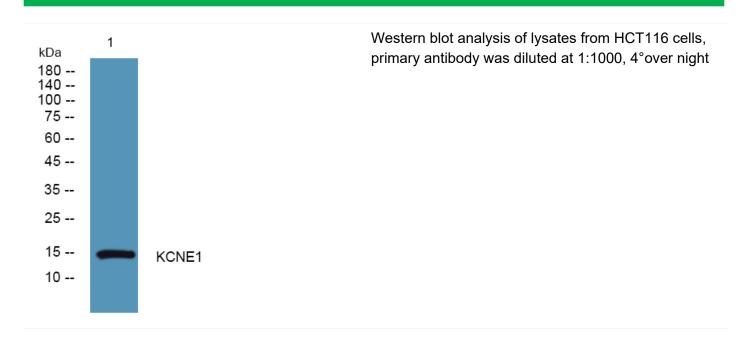
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	prolonged QT interval on the ECG and polymorphic ventricular arrhythmias. They cause syncope and sudden death in response to exercise or emotional stress. KCNE1 mutants form channels that open slowly and close rapidly, thereby diminishing potassium currents.,function:Ancillary protein that assembles as a beta subunit with a voltage-gated potassium channel complex of pore-forming alpha subunits. Modulates the gating kinetics and enhances stability of th
Background	potassium voltage-gated channel subfamily E regulatory subunit 1(KCNE1) Homo sapiens The product of this gene belongs to the potassium channel KCNE family. Potassium ion channels are essential to many cellular functions and show a high degree of diversity, varying in their electrophysiologic and pharmacologic properties. This gene encodes a transmembrane protein known to associate with the product of the KVLQT1 gene to form the delayed rectifier potassium channel. Mutation in this gene are associated with both Jervell and Lange-Nielsen and Romano-Ward forms of long-QT syndrome. Alternatively spliced transcript variants encoding the same protein have been identified. [provided by RefSeq, Jul 2008],
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