Anti-KCNE2 antibody

Description	Unconjugated Rabbit polyclonal to KCNE2

Model	STJ191185
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	ELISA, WB
Immunogen	Synthesized peptide derived from human KCNE2 protein.
Immunogen Region	30-110aa
Gene ID	9992
Gene Symbol	KCNE2
Dilution range	WB 1:500-2000 ELISA 1:5000-20000
Specificity	KCNE2 Polyclonal Antibody detects endogenous levels of protein.
Tissue Specificity	Highly expressed in brain, heart, skeletal muscle, pancreas, placenta, kidney, colon and thymus. A small but significant expression is found in liver, ovary, testis, prostate, small intestine and leukocytes. Very low expression, nearly undetectable, in lung and spleen.
Purification	KCNE2 antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Potassium voltage-gated channel subfamily E member 2 MinK-related peptide 1 Minimum potassium ion channel-related peptide 1 Potassium channel subunit beta MiRP1

Molecular Weight	13 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid form in PBS containing 50% glycerol,and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:6242OMIM:603796
Alternative Names	Potassium voltage-gated channel subfamily E member 2 MinK-related peptide 1 Minimum potassium ion channel-related peptide 1 Potassium channel subunit beta MiRP1
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 the channel complex. Assembled with KCNB1 modulates the gating characteristics of the delayed rectifier voltage-dependent potassium channel KCNB1. Associated with KCNH2/HERG is proposed to form the rapidly activating component of the delayed rectifying potassium current in heart (IKr). May associate with KCNQ2 and/or KCNQ3 and modulate the native M-type current. May associate with HCN1 and HCN2 and increase potassium current. Interacts with KCNQ1; forms a heterooligomer complex leading to currents with an apparently instantaneous activation, a rapid deactivation process and a linear current-voltage relationship and decreases the amplitude of the outward current .
Cellular Localization	Cell membrane. Colocalizes with KCNB1 at the plasma membrane.