

Anti-KCNE1 antibody



Description	Unconjugated Rabbit polyclonal to KCNE1
Model	STJ191183
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	ELISA, WB
Immunogen	Synthesized peptide derived from human KCNE1 protein.
Immunogen Region	40-120aa
Gene ID	3753
Gene Symbol	KCNE1
Dilution range	WB 1:500-2000 ELISA 1:5000-20000
Specificity	KCNE1 Polyclonal Antibody detects endogenous levels of protein.
Tissue Specificity	Expressed in lung, kidney, testis, ovaries, small intestine, peripheral blood leukocytes. Expressed in the heart . Not detected in pancreas, spleen, prostate and colon. Restrictively localized in the apical membrane portion of epithelial cells.
Purification	KCNE1 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 1 Delayed rectifier potassium channel subunit Isk IKs producing slow voltage-gated potassium channel subunit beta Mink Minimal potassium channel

Molecular Weight	14 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:62400 MIM:176261
Alternative Names	Potassium voltage-gated channel subfamily E member 1 Delayed rectifier potassium channel subunit Isk IKs producing slow voltage-gated potassium channel subunit beta Mink Minimal potassium channel
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 . Assembled with KCNQ1/KVLQT1 is proposed to form the slowly activating delayed rectifier cardiac potassium (IKs) channel. The outward current reaches its steady state only after 50 seconds. Assembled with KCNH2/HERG may modulate the rapidly activating component of the delayed rectifying potassium current in heart (IKr).
Cellular Localization	Cell membrane Apical cell membrane Membrane raft. Colocalizes with KCNB1 at the plasma membrane . Targets to the membrane raft when associated with KNCQ1 .
Post-translational Modifications	Phosphorylation inhibits the potassium current. N-glycosylation at Asn-26 occurs post-translationally, and requires prior cotranslational glycosylation at Asn-5.