

Anti-KCNE3 antibody



Description	Unconjugated Rabbit polyclonal to KCNE3
Model	STJ191186
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	ELISA, WB
Immunogen	Synthesized peptide derived from human KCNE3 protein.
Immunogen Region	30-110aa
Gene ID	10008
Gene Symbol	KCNE3
Dilution range	WB 1:500-2000 ELISA 1:5000-20000
Specificity	KCNE3 Polyclonal Antibody detects endogenous levels of protein.
Tissue Specificity	Expressed in hippocampal neurons (at protein level) . Widely expressed with highest levels in kidney and moderate levels in small intestine.
Purification	KCNE3 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 3 MinK-related peptide 2 Minimum potassium ion channel-related peptide 2 Potassium channel subunit beta MiRP2
Molecular Weight	11 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:6243OMIM:604433
Alternative Names	Potassium voltage-gated channel subfamily E member 3 MinK-related peptide 2 Minimum potassium ion channel-related peptide 2 Potassium channel subunit beta MiRP2
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 KCNC4/Kv3.4 is proposed to form the subthreshold voltage-gated potassium channel in skeletal muscle and to establish the resting membrane potential (RMP) in muscle cells. Associated with KCNQ1/KCLQT1 may form the intestinal cAMP-stimulated potassium channel involved in chloride secretion that produces a current with nearly instantaneous activation with a linear current-voltage relationship.
Cellular Localization	Cell membrane Cytoplasm Perikaryon Cell projection, dendrite Membrane raft. Colocalizes with KCNB1 at high-density somatodendritic clusters on the surface of hippocampal neurons.