SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

Rabbit Anti-KCNE4 antibody

SL12172R

Product Name	KCNE4
Chinese Name	钾离子 Channel protein 家族成员 4 抗体
Alias	Minimum potassium ion channel related peptide 3; MinK related peptide 3; Potassium channel subunit beta MiRP3; Potassium voltage gated channel subfamily E member 4; KCNE4_HUMAN.
Research Area	Cell biology Neurobiology Signal transduction Channel protein The cell membrane 受体
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	(predicted: Human, Mouse, Rat, Dog, Horse, Rabbit,)
Applications	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Theoretical molecular weight	18kDa
Cellular localization	The cell membrane
Form	Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human KCNE4 <Extracellular>
Lsotype	IgG
Purification	affinity purified by Protein A
Buffer Solution	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
Storage	Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Attention	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
PubMed	PubMed

Product Detail

Voltage-gated potassium (Kv) channels represent the most complex class of voltage-gated ion channels from both functional and structural standpoints. Their diverse functions include regulating neurotransmitter release, heart rate, insulin secretion, neuronal excitability, epithelial electrolyte transport, smooth muscle contraction, and cell volume. This gene encodes a member of the potassium channel, voltage-gated, isk-related subfamily. This member is a type I membrane protein, and a beta subunit that assembles with a potassium channel alpha-subunit to modulate the gating kinetics and enhance stability of the multimeric complex. This gene is prominently expressed in the embryo and in adult uterus. [provided by RefSeq, Jul 2008].

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. May associate with KCNQ1/KVLTQ1 and inhibit potassium current.

Subunit:
Associates with KCNQ1/KVLQT1 (Probable).

Subcellular Location:
Membrane; Single-pass type I membrane protein.

Tissue Specificity:
Predominantly expressed in embryo and adult uterus. Low expression found in kidney, small intestine, lung and heart.

Similarity:
Belongs to the potassium channel KCNE family.

SWISS:
Q8WWG9

Gene ID:
23704

Database links:

Entrez Gene: 23704 Human

SwissProt: Q8WWG9 Human