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

Rabbit Anti-KCNG3 antibody

SL12175R

Product Name:	KCNG3
Chinese Name:	电压门控性钾Channel protein亚基KV6.3抗体
Alias:	KCNG 3; Kcng3; KCNG3_HUMAN; KV10.1; Kv10.1a; Kv10.1b; KV6.3; OTTHUMP00000201478; OTTHUMP00000201479; Potassium voltage gated channel subfamily G member 3; Potassium voltage-gated channel subfamily G member 3; Voltage gated potassium channel 6.3; Voltage gated potassium channel Kv10.1; Voltage gated potassium channel subunit Kv10.1; Voltage gated potassium channel subunit Kv6.3; Voltage gated potassium channel subunit Kv6.4; Voltage-gated potassium channel subunit Kv10.1; Voltage-gated potassium channel subunit Kv6.3.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,Sheep,Guinea Pig,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	50kDa
Cellular localization:	cytoplasmicThe cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human KCNG3:251-350/436<Extracellular>
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
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, subfamily G. This member is a gamma subunit functioning as a modulatory molecule. Alternative splicing results in two transcript variants encoding distinct isoforms. [provided by RefSeq, Jul 2008]. **Function:** Potassium channel subunit. Modulates channel activity. **Subunit:** Heteromultimer with KCNB1, KCNC1 and KCNF1. Does not form homomultimers. **Subcellular Location:** Cell membrane. Membrane. Has to be associated with KCNB1 or possibly another partner to get inserted in the plasma membrane. Remains intracellular in the absence of KCNB1. **Tissue Specificity:** Detected in many parts of the brain with the exception of the cerebellum, in testis, pancreas, lung, kidney, ovary, small intestine, colon, thymus, adrenal gland and spinal cord. **Similarity:** Belongs to the potassium channel family. G (TC 1.A.1.2) subfamily. Kv6.3/KCNG3 sub-subfamily. **SWISS:** Q8TAE7 **Gene ID:** 170850 **Database links:** Entrez Gene: 170850Human Entrez Gene: 225030Mouse Entrez Gene: 171011Rat Omim: 606767Human SwissProt: Q8TAE7Human SwissProt: P59053Mouse

	SwissProt: Q8R523Rat Unigene: 352633Human Unigene: 223506Mouse Unigene: 82689Rat **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.