



Rabbit Anti-KCNC1 antibody

SL5402R

Product Name:	KCNC1
Chinese Name:	离子Channel proteinKv3.1抗体
Alias:	C230009H10Rik; FLJ41162; FLJ42249; FLJ43491; Kcr2 1; KShIIIB; Kv3.1; Kv4; MGC129855; NGK2; Potassium voltage-gated channel subfamily C member 1; Shaw; Voltage gated potassium channel; KCNC1_HUMAN; Voltage gated potassium channel subunit Kv3.1; Voltage-gated potassium channel subunit Kv3.1.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=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:	58kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human KCNC1:15-120/511
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:	KCNC1 mediates the voltage-dependent potassium ion permeability of excitable membranes. Assuming opened or closed conformations in response to the voltage difference across the membrane, the protein forms a potassium-selective channel through which potassium ions may pass in accordance with their electrochemical

gradient. It forms a heteromultimer with KCNG3, KCNG4 and KCNV2.

Function:

Mediates the voltage-dependent potassium ion permeability of excitable membranes. Assuming opened or closed conformations in response to the voltage difference across the membrane, the protein forms a potassium-selective channel through which potassium ions may pass in accordance with their electrochemical gradient.

Subunit:

Heteromultimer with KCNG3, KCNG4 and KCNV2.

Subcellular Location:

Membrane; Multi-pass membrane protein.

Similarity:

Belongs to the potassium channel family. C (Shaw) (TC 1.A.1.2) subfamily. Kv3.1/KCNC1 sub-subfamily.

SWISS:

P48547

Gene ID:

3746

Database links:

[Entrez Gene: 3746](#)Human

[Entrez Gene: 16502](#)Mouse

[Entrez Gene: 25327](#)Rat

[Omir: 176258](#)Human

[SwissProt: P48547](#)Human

[SwissProt: P15388](#)Mouse

[SwissProt: P25122](#)Rat

[Unigene: 303870](#)Human

[Unigene: 552896](#)Human

[Unigene: 249386](#)Mouse

[Unigene: 33095](#)Rat

Important Note:

	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
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