Product Name: KCNG2 Rabbit Polyclonal Antibody
Catalog #: APRab12935

Summary

Production Name	KCNG2 Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	KCNG2
Alternative Names	KCNG2; KCNF2; Potassium voltage-gated channel subfamily G member 2; Cardiac potassium channel subunit; Voltage-gated potassium channel subunit Kv6.2
Gene ID	26251.0
SwissProt ID	Q9UJ96.The antiserum was produced against synthesized peptide derived from human KCNG2. AA range:321-370

Application

Dilution Ratio	WB 1:500-2000
Molecular Weight	51kD

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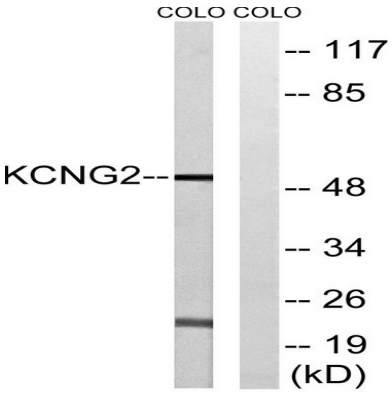
Background

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 of the voltage-gated potassium channel. The delayed-rectifier type channels containing this subunit may contribute to cardiac action potential repolarization. [provided by RefSeq, Jul 2008],domain:The segment S4 is probably the voltage-sensor and is characterized by a series of positively charged amino acids at every third position.,function:Potassium channel subunit. Modulates channel activity by shifting the threshold and the half-maximal activation to more negative values.,miscellaneous:Heterodimers with KCNB1 are highly sensitive to inhibition by tetraethylammonium (TEA) and propafenone.,similarity:Belongs to the potassium channel family. G subfamily.,subunit:Heterodimer with KCNB1. Does not form homomultimers.,tissue specificity:Highly expressed in heart, liver, skeletal muscle, kidney and pancreas. Detected at low levels in brain, lung and placenta.,

Research Area

Image Data



Western blot analysis of lysates from COLO cells, using KCNG2 Antibody. The lane on the right is blocked with the synthesized peptide.

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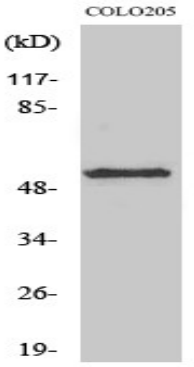

Western Blot analysis of various cells using KCNG2 Polyclonal Antibody

Note

For research use only.