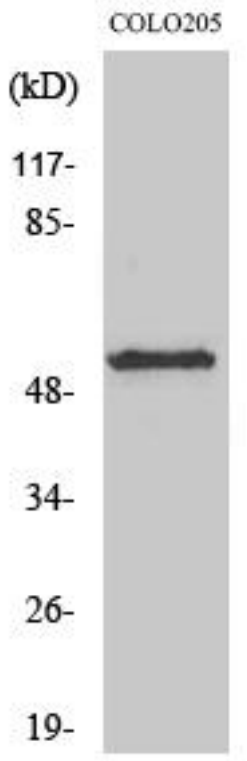
KCNG2 Monoclonal Antibody

Catalog No	YP-mAb-16433
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	KCNG2
Protein Name	Potassium voltage-gated channel subfamily G member 2
Immunogen	The antiserum was produced against synthesized peptide derived from human KCNG2. AA range:321-370
Specificity	KCNG2 Monoclonal Antibody detects endogenous levels of KCNG2 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	KCNG2; KCNF2; Potassium voltage-gated channel subfamily G member 2; Cardiac potassium channel subunit; Voltage-gated potassium channel subunit Kv6.2
Observed Band	51kD
Cell Pathway	Membrane; Multi-pass membrane protein.
Tissue Specificity	Highly expressed in heart, liver, skeletal muscle, kidney and pancreas. Detected at low levels in brain, lung and placenta.
Function	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.,
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],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using KCNG2 Monoclonal Antibody