

Product datasheet for **TA351315**

KCNG2 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 500-2000 WB positive control: Mouse brain tissue IHC: 50-200 Positive control: Human colon cancer Predicted cell location: Nucleus
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide of human KCNG2
Formulation:	pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	51 kDa
Gene Name:	potassium voltage-gated channel modifier subfamily G member 2
Database Link:	NP_036415 Entrez Gene 240444 Mouse Entrez Gene 307234 Rat Entrez Gene 26251 Human Q9UJ96



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Background:

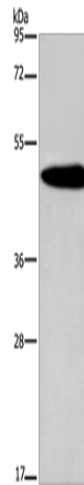
Voltage-gated potassium (Kv) channels represent the most complex class of voltage-gated ion channels from both functional and structural standpoints. Their diverse functions include regulating neurotransmitter release, heart rate, insulin secretion, neuronal excitability, epithelial electrolyte transport, 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.

Synonyms:

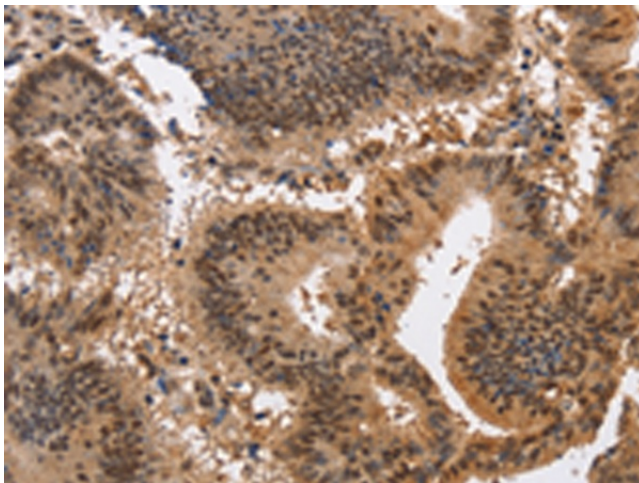
KCNF2; KV6.2

Protein Families:

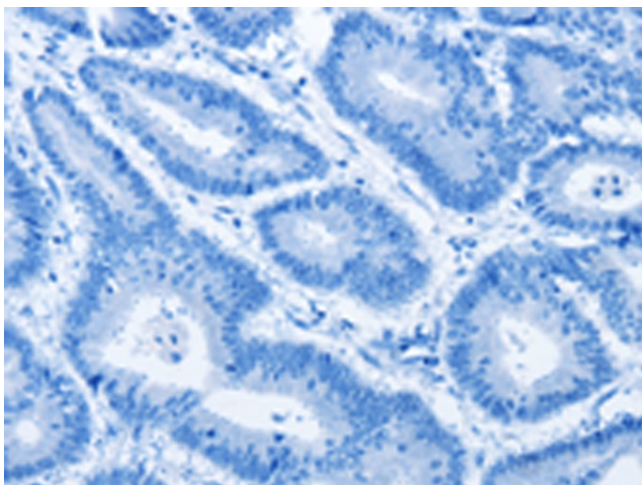
Druggable Genome, Ion Channels: Potassium, Transmembrane

Product images:


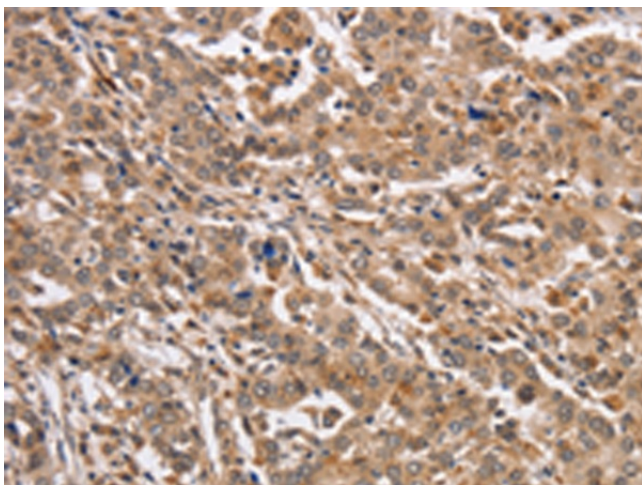
Gel: 8%SDS-PAGE
 Lysate: 40 µg
 Lane: Mouse brain tissue
 Primary antibody: TA351315 (KCNG2 Antibody) at dilution 1/650
 Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution
 Exposure time: 3 minutes



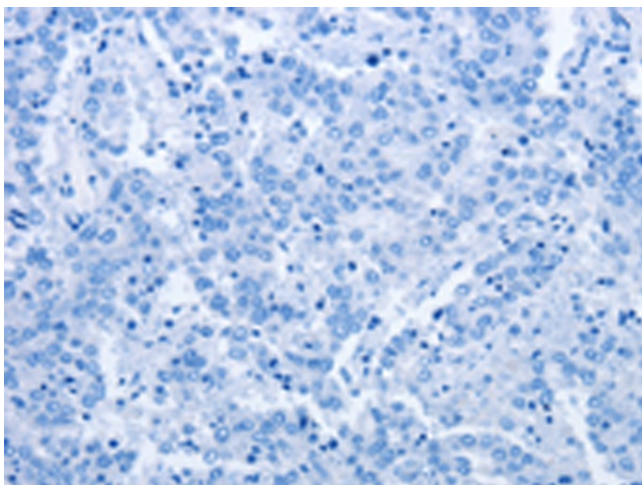
Immunohistochemistry of paraffin-embedded Human colon cancer tissue using TA351315 (KCNG2 Antibody) at dilution 1/40 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human colon cancer tissue using TA351315 (KCNG2 Antibody) at dilution 1/40, treated with synthetic peptide. (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human liver cancer tissue using TA351315 (KCNG2 Antibody) at dilution 1/40 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human liver cancer tissue using TA351315 (KCNG2 Antibody) at dilution 1/40, treated with synthetic peptide. (Original magnification: ×200)