

## Product datasheet for **TA351317**

### KCNG4 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 500-2000 WB positive control: Mouse brain tissue IHC: 100-300 Positive control: Human colon cancer Predicted cell location: Nucleus
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide of human KCNG4
Formulation:	pH7.4 PBS, 0.05% NaN <sub>3</sub> , 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:	59 kDa
Gene Name:	potassium voltage-gated channel modifier subfamily G member 4
Database Link:	<a href="#">NP_758857</a> <a href="#">Entrez Gene 66733 Mouse</a> <a href="#">Entrez Gene 93107 Human</a> <a href="#">Q8TDN1</a>



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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 functions as a modulatory subunit. The gene has strong expression in brain. Multiple alternatively spliced variants have been found in normal and cancerous tissues.

**Synonyms:**

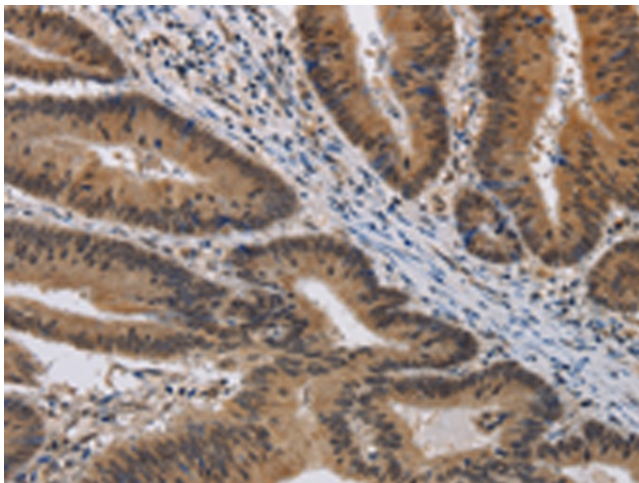
KV6.3; KV6.4

**Protein Families:**

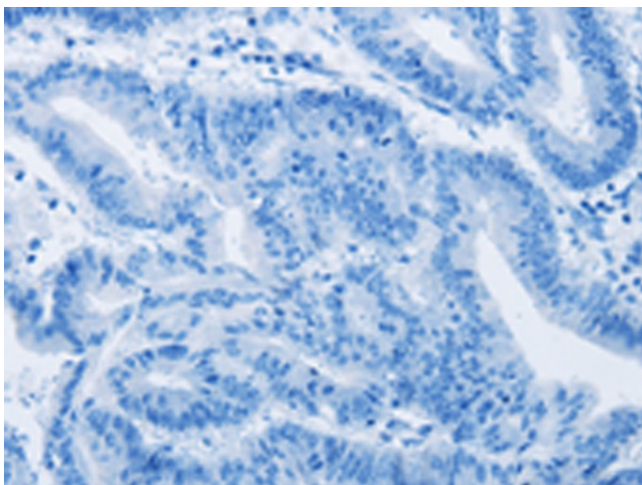
Druggable Genome, Ion Channels: Potassium, Transmembrane

**Product images:**

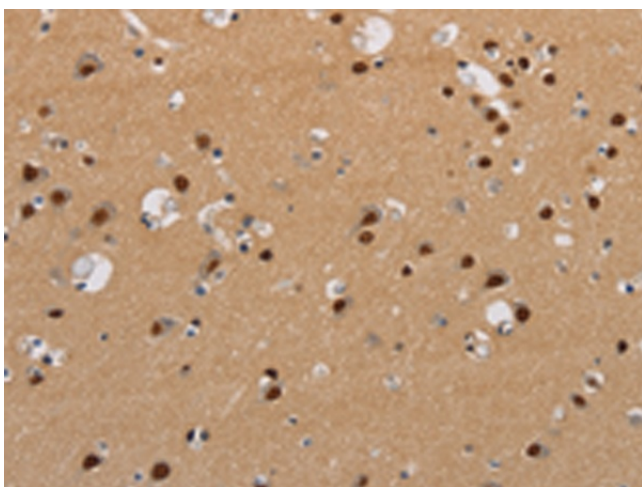
Gel: 6%SDS-PAGE  
Lysate: 40 µg  
Lane: Mouse brain tissue  
Primary antibody: TA351317 (KCNG4 Antibody) at dilution 1/550  
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution  
Exposure time: 2 minutes



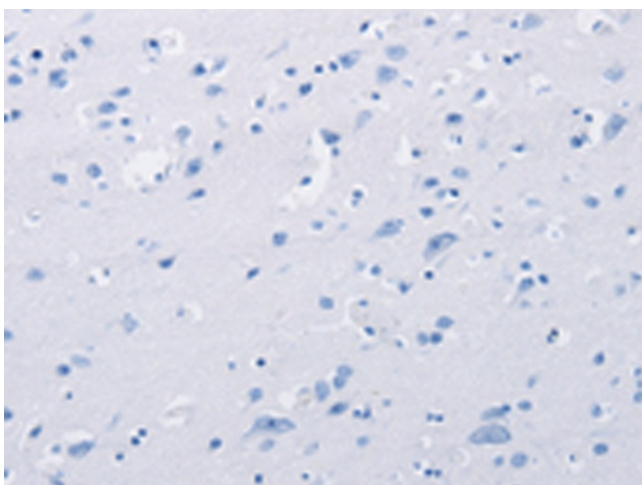
Immunohistochemistry of paraffin-embedded Human colon cancer tissue using TA351317 (KCNG4 Antibody) at dilution 1/40 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human colon cancer tissue using TA351317 (KCNG4 Antibody) at dilution 1/40, treated with synthetic peptide. (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human brain tissue using TA351317 (KCNG4 Antibody) at dilution 1/40 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human brain tissue using TA351317 (KCNG4 Antibody) at dilution 1/40, treated with synthetic peptide. (Original magnification: ×200)