Product datasheet for TA351317S

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% NaN3, 40% Glyceroln
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:	NP_758857 Entrez Gene 66733 Mouse Entrez Gene 93107 Human Q8TDN1

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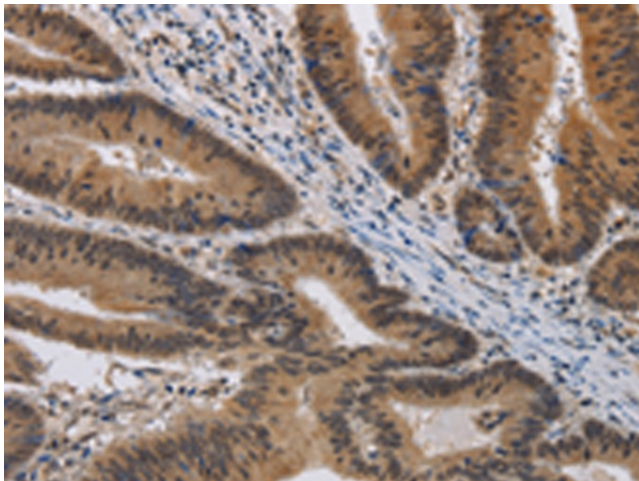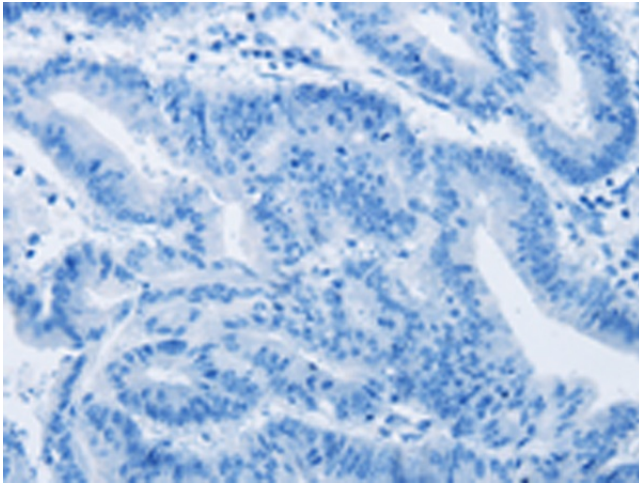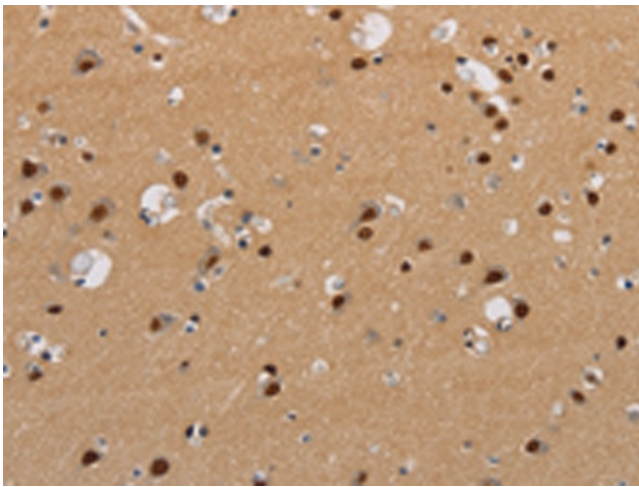|	
Background:	Voltage-gated potassium (Kv) channels represent the most complex class of voltage-gated ion channels from both functional and structural standpoints. Their diverse functions include regulating neurotransmitter release, heart rate, insulin secretion, neuronal excitability, epithelial electrolyte 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
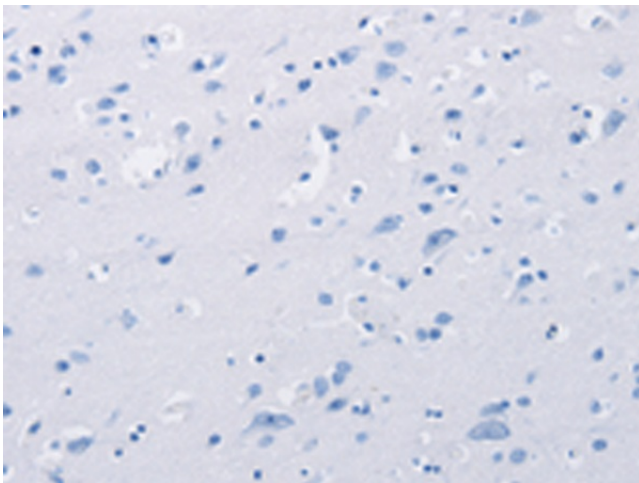Exposure time: 2 minutes

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)