

Anti-KCNG4 antibody

Cat. No.	ml261819
Package	25 µl/100 µl/200 µl
Storage	-20°C, pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol

Product overview

Description	Anti-KCNG4 rabbit polyclonal antibody
Applications	ELISA, WB, IHC
Immunogen	Synthetic peptide of human KCNG4
Reactivity	Human, Mouse
Content	0.5 mg/ml
Host species	Rabbit
Ig class	Immunogen-specific rabbit IgG
Purification	Antigen affinity purification

Target information

Symbol	KCNG4
Full name	potassium voltage-gated channel, subfamily G, member 4

Synonyms KV6.3; KV6.4

Swissprot Q8TDN1

Target 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.

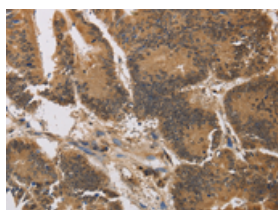
Applications

Immunohistochemistry

Predicted cell location: Nucleus

Positive control: Human colon cancer

Recommended dilution: 100-300

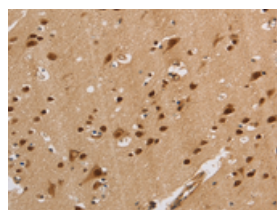


The image on the left is immunohistochemistry of paraffin-embedded Human colon cancer tissue using ml261819(KCNG4 Antibody) at dilution 1/40, on the right is treated with synthetic peptide. (Original magnification: $\times 200$)

Predicted cell location: Nucleus

Positive control: Human brain

Recommended dilution: 100-300



The image on the left is immunohistochemistry of paraffin-embedded Human brain tissue using ml261819(KCNG4 Antibody) at dilution 1/40, on the right is treated with synthetic peptide. (Original magnification: $\times 200$)

Western blotting

Predicted band size: 59 kDa

Positive control: Mouse brain tissue

Recommended dilution: 500-2000

Gel: 6%SDS-PAGE

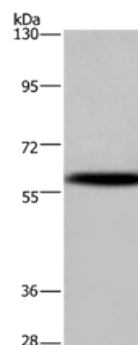
Lysate: 40 µg

Lane: Mouse brain tissue

Primary antibody: ml261819(KCNG4 Antibody) at dilution 1/500

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

Exposure time: 10 seconds



ELISA

Recommended dilution: 2000-5000

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