

Datasheet for ABIN2776311
anti-KCNG4 antibody (N-Term)[Go to Product page](#)

1 Image

Overview

Quantity:	100 µL
Target:	KCNG4 (Kcng4)
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KCNG4 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human KCNG4
Sequence:	QEELAYWGIE EAhLERCClR KLLRKLEEELE ELAKLHREDV LRQQRETRRP
Predicted Reactivity:	Human: 100%
Characteristics:	This is a rabbit polyclonal antibody against KCNG4. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	KCNG4 (Kcng4)
Alternative Name:	KCNG4 (Kcng4 Products)

Target Details

Background:	<p>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. KCNG4 is a member of the potassium channel, voltage-gated, subfamily G. This member functions as a modulatory subunit. The protein has strong expression in brain.</p> <p>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.</p> <p>Alias Symbols: KV6.3, KV6.4, MGC129609, MGC4558</p> <p>Protein Interaction Partner: KCNB2, KCNB1, KCNF1,</p> <p>Protein Size: 519</p>
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Molecular Weight:	59 kDa
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Gene ID:	93107
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NCBI Accession:	NM_172347 , NP_758857
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UniProt:	Q8TDN1
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Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
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Comment:	Antigen size: 519 AA
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
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Concentration:	Lot specific
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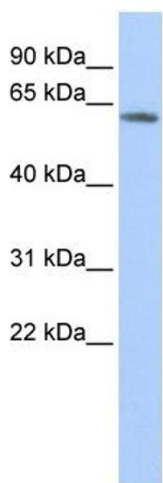
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
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Preservative:	Sodium azide
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Handling

Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-KCNG4 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:62500 Positive Control: 721_B cell lysate