

Datasheet for ABIN2784082

anti-KCNK4 antibody (N-Term)



[Go to Product page](#)

1 Image

1 Publication

Overview

Quantity:	100 µL
Target:	KCNK4
Binding Specificity:	N-Term
Reactivity:	Human, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KCNK4 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 KCNK4
Sequence:	ELGEVREKFL RAHPCVSDQE LGLLIKEVAD ALGGGADPET NSTSNSSHSA
Predicted Reactivity:	Cow: 86%, Dog: 86%, Guinea Pig: 100%, Horse: 86%, Human: 100%, Rabbit: 93%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against KCNK4. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	KCNK4
Alternative Name:	KCNK4 (KCNK4 Products)

Target Details

Background:	<p>Potassium channels play a role in many cellular processes including maintenance of the action potential, muscle contraction, hormone secretion, osmotic regulation, and ion flow. KCNK4 is one of the members of the superfamily of potassium channel proteins containing two pore-forming P domains. It homodimerizes and functions as an outwardly rectifying channel. It is expressed primarily in neural tissues and is stimulated by membrane stretch and polyunsaturated fatty acids.</p> <p>Potassium channels play a role in many cellular processes including maintenance of the action potential, muscle contraction, hormone secretion, osmotic regulation, and ion flow. This gene encodes one of the members of the superfamily of potassium channel proteins containing two pore-forming P domains. The encoded protein homodimerizes and functions as an outwardly rectifying channel. It is expressed primarily in neural tissues and is stimulated by membrane stretch and polyunsaturated fatty acids.</p> <p>Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.</p> <p>Alias Symbols: K2p4.1, TRAAK, TRAAK1</p> <p>Protein Interaction Partner: DIDO1, RPL14,</p> <p>Protein Size: 393</p>
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Molecular Weight:	43 kDa
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Gene ID:	50801
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NCBI Accession:	NM_033310 , NP_201567
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UniProt:	Q9NYG8
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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: 393 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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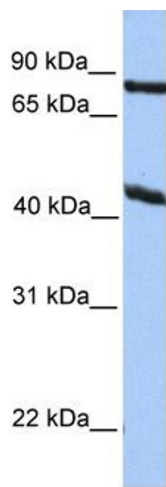
Handling

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.

Publications

Product cited in:	Mehrle, Rosenfelder, Schupp, del Val, Arlt, Hahne, Bechtel, Simpson, Hofmann, Hide, Glatting, Huber, Pepperkok, Poustka, Wiemann: "The LIFEdb database in 2006." in: Nucleic acids research , Vol. 34, Issue Database issue, pp. D415-8, (2005) (PubMed).
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Images



Western Blotting

Image 1. WB Suggested Anti-KCNK4 Antibody Titration: 0.2-1 ug/ml Positive Control: HepG2 cell lysate