

Datasheet for ABIN2776142  
**anti-KCNK3 antibody (C-Term)**[Go to Product page](#)

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## Overview

Quantity:	100 µL
Target:	KCNK3
Binding Specificity:	C-Term
Reactivity:	Rat, Mouse, Human, Dog, Sheep, Cow, Guinea Pig, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KCNK3 antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human KCNK3
Sequence:	TCVEQSHSSP GGGGRYSOTP SRRCLCSGAP RSAISSVSTG LHSLSTFRGL
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Human: 100%, Mouse: 100%, Rabbit: 86%, Rat: 100%, Sheep: 100%
Characteristics:	This is a rabbit polyclonal antibody against KCNK3. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Protein A purified

## Target Details

Target:	KCNK3
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## Target Details

Alternative Name:	KCNK3 ( <a href="#">KCNK3 Products</a> )
Background:	<p>KCNK3 encodes one of the members of the superfamily of potassium channel proteins containing two pore-forming P domains. The gene product is an outwardly rectifying channel that is sensitive to changes in extracellular pH and is inhibited by extracellular acidification. Also referred to as an acid-sensitive potassium channel, it is activated by the anesthetics halothane and isoflurane. Although three transcripts are detected in northern blots, there is currently no sequence available to confirm transcript variants for this gene.</p> <p>Alias Symbols: TASK, TBAK1, K2p3.1, TASK-1</p> <p>Protein Interaction Partner: YWHAB, COPB1, YWHAG, YWHAE, SFN, YWHAZ, YWHAQ, S100A10, YWHAH,</p> <p>Protein Size: 394</p>
Molecular Weight:	43 kDa
Gene ID:	3777
NCBI Accession:	<a href="#">NM_002246</a> , <a href="#">NP_002237</a>
UniProt:	<a href="#">O14649</a>

## Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 394 AA
Restrictions:	For Research Use only

## Handling

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

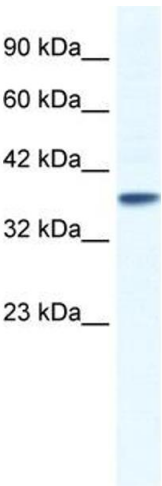
## Handling

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

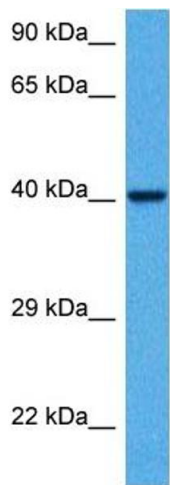
Product cited in:	Donner, Schullenberg, Geduldig, Hüning, Mersmann, Zacharowski, Kovacevic, Decking, Aller, Schmidt: "Functional role of TASK-1 in the heart: studies in TASK-1-deficient mice show prolonged cardiac repolarization and reduced heart rate variability." in: <b>Basic research in cardiology</b> , Vol. 106, Issue 1, pp. 75-87, (2010) ( <a href="#">PubMed</a> ).
	Nogueira, Gerry, Mantero, Mariniello, Rainey: "The role of TASK1 in aldosterone production and its expression in normal adrenal and aldosterone-producing adenomas." in: <b>Clinical endocrinology</b> , Vol. 73, Issue 1, pp. 22-9, (2010) ( <a href="#">PubMed</a> ).

## Images



### Western Blotting

**Image 1.** WB Suggested Anti-KCNK3 Antibody Titration: 1.25ug/ml ELISA Titer: 1:1562500 Positive Control: Jurkat cell lysate



Western Blotting

**Image 2.** Host: Mouse Target Name: KCNK3 Sample Tissue: Mouse Kidney Antibody Dilution: 1ug/ml