

Datasheet for ABIN2776273  
**anti-KCNV2 antibody (N-Term)**



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1 Image

## Overview

Quantity:	100 µL
Target:	KCNV2
Binding Specificity:	N-Term
Reactivity:	Human, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KCNV2 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 KCNV2
Sequence:	RSGSQASIHG WTEGNYNYI EEDEGEED QWKDDLAEED QQAGEVTTAK
Predicted Reactivity:	Human: 100%, Pig: 79%
Characteristics:	This is a rabbit polyclonal antibody against KCNV2. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

## Target Details

Target:	KCNV2
Alternative Name:	KCNV2 ( <a href="#">KCNV2 Products</a> )

## 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. This gene encodes a member of the potassium voltage-gated channel subfamily V. This member is identified as a 'silent subunit', and it does not form homomultimers, but forms heteromultimers with several other subfamily members. Through obligatory heteromerization, it exerts a function-altering effect on other potassium channel subunits. KCNV2 is strongly expressed in pancreas and has a weaker expression in several other tissues.</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 voltage-gated channel subfamily V. This member is identified as a 'silent subunit', and it does not form homomultimers, but forms heteromultimers with several other subfamily members. Through obligatory heteromerization, it exerts a function-altering effect on other potassium channel subunits. This protein is strongly expressed in pancreas and has a weaker expression in several other tissues.</p> <p>Alias Symbols: KV11.1, Kv8.2, MGC120515, RCD3B</p> <p>Protein Interaction Partner: KCNC1, KCNB1, KCNF1,</p> <p>Protein Size: 545</p>
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Molecular Weight:	62 kDa
Gene ID:	169522
NCBI Accession:	<a href="#">NM_133497</a> , <a href="#">NP_598004</a>
UniProt:	<a href="#">Q8TDN2</a>

## Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 545 AA
Restrictions:	For Research Use only

## Handling

Format:	Liquid
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## Handling

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.
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-KCNV2 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:1562500 Positive Control: 293T cell lysate