

Datasheet for ABIN2780211
anti-KCNV1 antibody (N-Term)[Go to Product page](#)

3 Images

Overview

Quantity:	100 µL
Target:	KCNV1
Binding Specificity:	N-Term
Reactivity:	Human, Rat, Mouse, Dog, Horse, Pig, Cow, Rabbit, Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KCNV1 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 KCNV1
Sequence:	ALGDCFTVNV GGSRFVLSQQ ALSCFPHTRL GKLAVVASY RRPGALAAVP
Predicted Reactivity:	Cow: 86%, Dog: 86%, Guinea Pig: 92%, Horse: 86%, Human: 100%, Mouse: 92%, Pig: 93%, Rabbit: 93%, Rat: 92%
Characteristics:	This is a rabbit polyclonal antibody against KCNV1. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	KCNV1
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Target Details

Alternative Name:	KCNV1 (KCNV1 Products)
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. KCNV1 is a member of the potassium voltage-gated channel subfamily V. This protein is essentially present in the brain, and its role might be to inhibit the function of a particular class of outward rectifier potassium channel types.</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 protein is essentially present in the brain, and its role might be to inhibit the function of a particular class of outward rectifier potassium channel types.</p> <p>Alias Symbols: HNKA, KCNB3, KV2.3, KV8.1</p> <p>Protein Interaction Partner: KCNB2, KCNB1,</p> <p>Protein Size: 500</p>
Molecular Weight:	56 kDa
Gene ID:	27012
NCBI Accession:	NM_014379 , NP_055194
UniProt:	Q6PIU1

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 500 AA
Restrictions:	For Research Use only

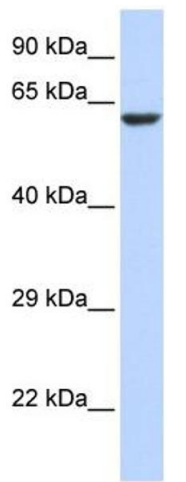
Handling

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

Handling

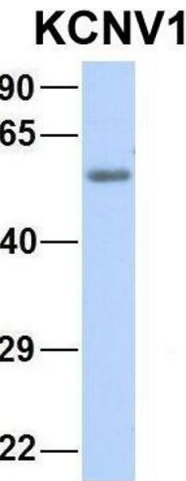
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For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

Images



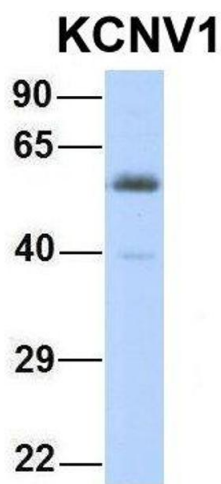
Western Blotting

Image 1. WB Suggested Anti-KCNV1 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:312500 Positive Control: 293T cell lysate



Western Blotting

Image 2. Host: Rabbit Target Name: CHAD Sample Type: Human Adult Placenta Antibody Dilution: 1.0ug/ml



Western Blotting

Image 3. Host: Rabbit Target Name: KCNV1 Sample Type:
Human Fetal Muscle Antibody Dilution: 1.0ug/ml