Datasheet for ABIN651972

anti-KCNV1 antibody (N-Term)

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3 Images

Overview

Quantity:	400 µL
Target:	KCNV1
Binding Specificity:	AA 137-166, N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KCNV1 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This KCNV1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 137-166 amino acids from the N-terminal region of human KCNV1.
Clone:	RB27324
Isotype:	Ig Fraction
Predicted Reactivity:	B, Pr, Rat
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	KCNV1

Target Details

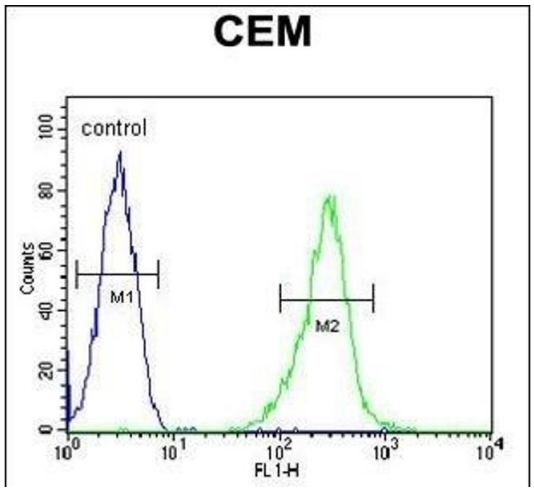
Alternative Name:	KCNV1 (KCNV1 Products)
Background:	Voltage-gated potassium (Kv) channels represent the most complex class of voltage-gated ion channels from both functional and structural standpoints. Their diverse functions include regulating neurotransmitter release, heart rate, insulin secretion, 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.
Molecular Weight:	56304
Gene ID:	27012
NCBI Accession:	NP_055194
UniProt:	Q6PIU1

Application Details

Application Notes:	WB: 1:1000. IHC-P: 1:50~100. FC: 1:10~50
Restrictions:	For Research Use only

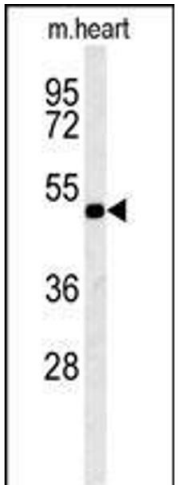
Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months



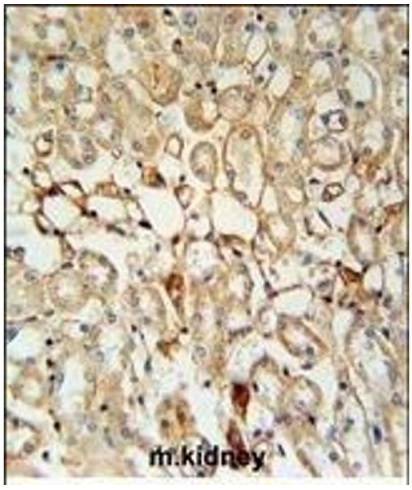
Flow Cytometry

Image 1. KCNV1 Antibody (N-term) (ABIN651972 and ABIN2840478) flow cytometric analysis of CEM cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



Western Blotting

Image 2. KCNV1 Antibody (N-term) (ABIN651972 and ABIN2840478) western blot analysis in mouse heart tissue lysates (15 µg/lane).This demonstrates the KCNV1 antibody detected KCNV1 protein (arrow).



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. KCNV1 Antibody (N-term) (ABIN651972 and ABIN2840478) immunohistochemistry analysis in formalin fixed and paraffin embedded mouse kidney tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the KCNV1 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.