

Datasheet for ABIN953019
anti-KCNV2 antibody (C-Term)

2 Images

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Overview

Quantity:	0.4 mL
Target:	KCNV2
Binding Specificity:	AA 477-507, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KCNV2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 477-507 amino acids from the C-terminal region of human KCNV2
Isotype:	Ig Fraction
Specificity:	This antibody recognizes Human KCNV2 (C-term).
Purification:	Protein A column, followed by peptide affinity purification

Target Details

Target:	KCNV2
Alternative Name:	KCNV2 (KCNV2 Products)

Target Details

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 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. Synonyms: KV11.1, Kv8.2, Potassium voltage-gated channel subfamily V member 2

Molecular Weight: 62459 Da

Gene ID: 169522

NCBI Accession: [NP_598004](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.25 mg/mL

Buffer: PBS containing 0.09 % (W/V) Sodium Azide as preservative

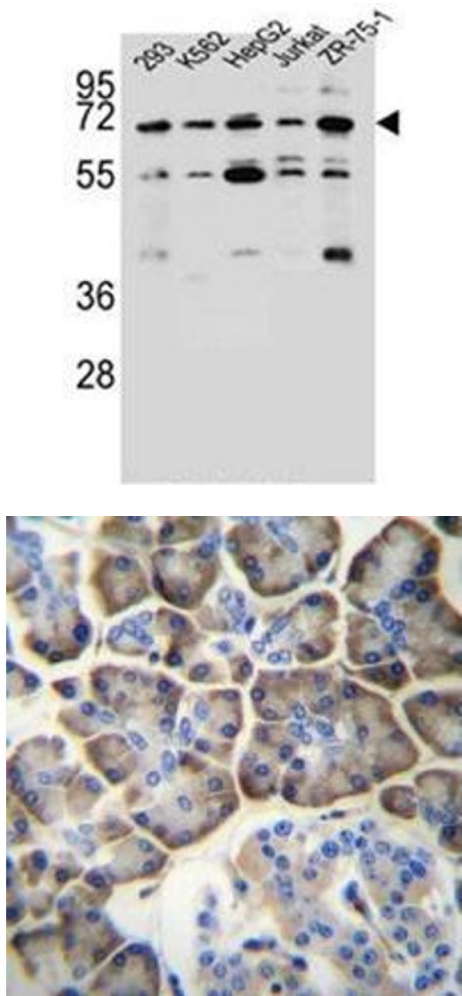
Preservative: Sodium azide

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 freezing and thawing.

Storage: 4 °C/-20 °C

Storage Comment: Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Western Blotting

Image 1. Western blot analysis of KCNV2 Antibody (C-term) in 293, K562, HepG2, Jurkat, ZR-75-1 cell line lysates (35ug/lane). This demonstrates the KCNV2 antibody detected the KCNV2 protein (arrow).

Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Immunohistochemistry analysis in formalin fixed and paraffin embedded human pancreas tissue reacted with KCNV2 Antibody (C-term) followed by peroxidase conjugation of the secondary antibody and DAB staining.