

## Product datasheet for **AP52321PU-N**

### KCNV2 (C-term) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	<b>ELISA:</b> 1/1000. <b>Western Blot:</b> 1/100-1/500. <b>Immunohistochemistry on Paraffin Sections:</b> 1/10-1/50.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 477-507 amino acids from the C-terminal region of human KCNV2
Specificity:	This antibody recognizes Human KCNV2 (C-term).
Formulation:	PBS containing 0.09% (W/V) Sodium Azide as preservative State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Protein A column, followed by peptide affinity purification
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	potassium voltage-gated channel modifier subfamily V member 2
Database Link:	<a href="#">Entrez Gene 169522 Human</a> <a href="#">Q8TDN2</a>



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**Background:**

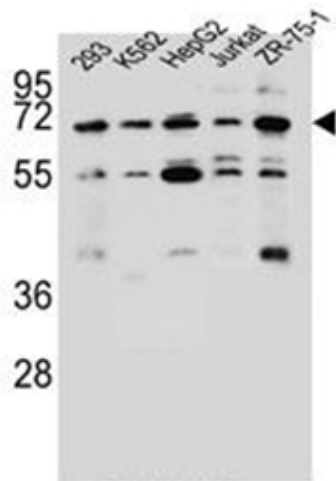
Voltage-gated potassium (Kv) channels represent the most complex class of voltage-gated ion channels from both functional and structural standpoints. Their diverse functions include regulating neurotransmitter release, heart rate, insulin secretion, neuronal excitability, epithelial electrolyte transport, 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:**

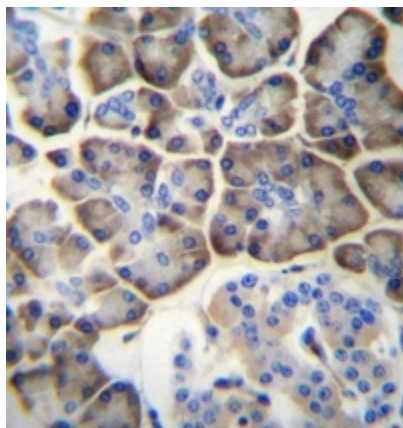
KV11.1, Kv8.2

**Note:****Molecular Weight:** 62459 Da**Protein Families:**

Druggable Genome, Ion Channels: Potassium, Transmembrane

**Product images:**

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 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.