

## Product datasheet for **AP01495PU-N**

### KCNS2 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	<b>Western Blot:</b> 1/500-1/1000.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Specificity:	KV9.2 antibody detects endogenous levels of KV9.2 protein. (region surrounding Ile229)
Formulation:	Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.2. State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	1.0 mg/ml
Purification:	Affinity chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody 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.
Predicted Protein Size:	~ 68 kDa
Gene Name:	potassium voltage-gated channel modifier subfamily S member 2
Database Link:	<a href="#">Entrez Gene 3788 Human</a> <a href="#">Q9ULS6</a>



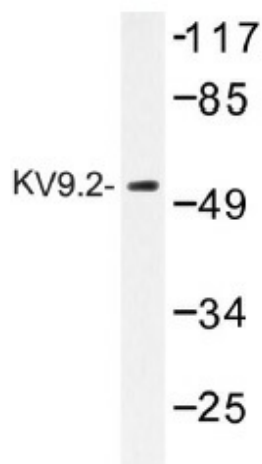
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**Background:**

Voltage-gated K<sup>+</sup> channels in the plasma membrane control the repolarization and the frequency of action potentials in neurons, muscles and other excitable cells. The KV gene family encodes more than 30 proteins that comprise the subunits of the K<sup>+</sup> channels, and they vary in their gating and permeation properties, subcellular distribution and expression patterns. Functional KV channels assemble as tetramers consisting of pore-forming  $\alpha$  subunits (KV), which include the KV1, KV2, KV3, KV4 and KV9 proteins, and accessory or KV-subunits that modify the gating properties of the coexpressed KV subunits. KV9.2 is a K<sup>+</sup> channel subunit that reduces the ion flow and regulates channel activity. It localizes to the cell membrane and, in the absence of KCNB1, KV9.2 may not reach the plasma membrane and may remain in an intracellular compartment.

**Synonyms:**

KCNS2, KIAA1144, Potassium voltage-gated channel subfamily S member 2

**Product images:**

Western blot (WB) analysis of KV9.2 antibody (Cat.-No.: AP01495PU-N) in extracts from HepG2 cells.