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Product datasheet for AP31609PU-N

Kv3.2 (KCNC2) (C-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IHC, WB
Recommended Dilution:	**ELISA:** 1/10000. **Immunohistochemistry on Paraffin Sections:** 1/200. **Western Blot:** 1/500 - 1/1000.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide - KLH conjugated
Specificity:	This antibody detects endogenous levels of total Potassium Channel Kv3.2b protein.
Formulation:	PBS (without Mg2+, Ca2+), pH 7.4, 150 mM Sodium Chloride, 0.02% Sodium Azide and 50% Glycerol State: Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Immunoaffinity Chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody (in aliquots) at -20°C. Avoid freeze-thaw cycles.
Stability:	Shelf life: one year from despatch.
Gene Name:	potassium voltage-gated channel subfamily C member 2
Database Link:	Entrez Gene 246153 RatEntrez Gene 268345 MouseEntrez Gene 3747 Human Q96PR1

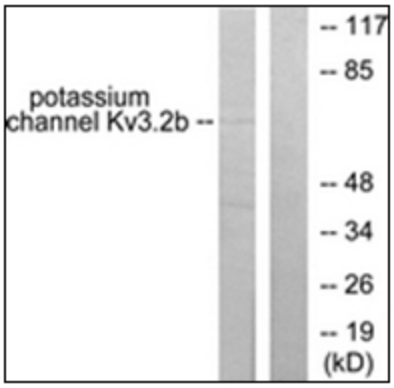
View online »

Background: Potassium channels contribute to maintaining cell volume, membrane potential, neuronal excitability and the secretion of transmitters, salt and hormones. Two families of potassium channels have been identified. One family includes the inwardly rectifying potassium channels whereas, the other family includes: voltage sensing (KV); big conductance, calcium activated (BKca); and small conductance, calcium activated (SK) potassium channels. Kv3.2 functions as a delayed rectifier type K+ channel activated by large membrane depolarizations.

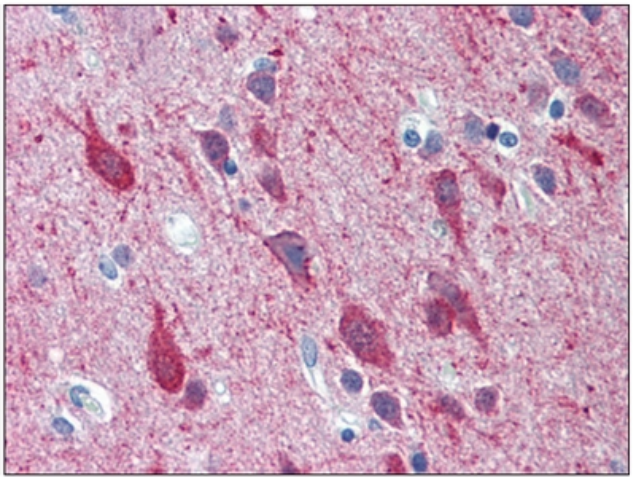
Synonyms: Potassium voltage-gated channel subfamily C member 2, Voltage-gated potassium channel Kv3.2

Protein Families: Druggable Genome, Ion Channels: Potassium, Transmembrane

Product images:



Western blot analysis of extracts from HepG2 cells, using KCNC2 antibody. The lane on the right is treated with the synthesized peptide.



Human Brain, Cortex: Formalin-Fixed, Paraffin-Embedded (FFPE)