

Product datasheet for **AP21098PU-M**

KCNC4 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	Western blot: 1/500 - 1/1000. Immunohistochemistry on paraffin sections 1/50 - 1/200. Immunofluorescence: 1/50 - 1/200.
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Specificity:	This antibody detects endogenous levels of Kv3.4 protein. (region surrounding Arg11)
Formulation:	Phosphate buffered saline (PBS), pH 7.2. State: Aff - Purified State: Liquid purified Ig fraction Preservative: 0.05% sodium azide
Concentration:	1.0 mg/ml
Purification:	Affinity chromatography (> 95% (by SDS-PAGE)
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.
Predicted Protein Size:	~ 70 kDa
Gene Name:	potassium voltage-gated channel subfamily C member 4
Database Link:	Entrez Gene 99738 Mouse Entrez Gene 3749 Human Q03721



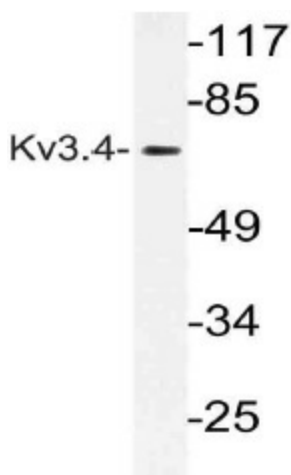
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Background: KCNC4 (Potassium voltage gated channel subfamily C member 4) belongs to the delayed rectifier class of channel proteins and is an integral membrane protein that mediates the voltage-dependent potassium ion permeability of excitable membranes. Assuming opened or closed conformations in response to the voltage difference across the membrane, the protein forms a potassium-selective channel through which potassium ions may pass in accordance with their electrochemical gradient.

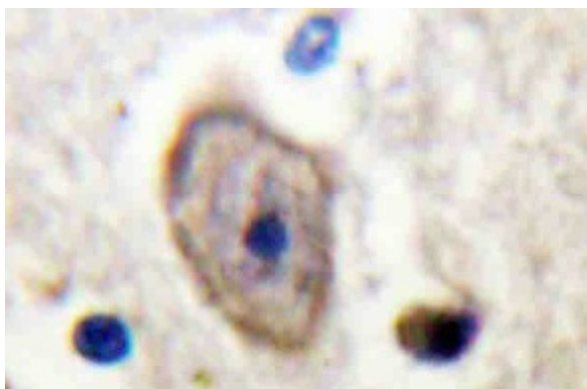
Synonyms: Potassium voltage-gated channel subfamily C member 4, Voltage-gated potassium channel subunit Kv3.4, KSHIIIC

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

Product images:



Western blot (WB) analysis of Kv3.4 antibody (Cat.-No.: [AP21098PU-N]) in extracts from K562 cells.



Immunohistochemistry (IHC) analysis of Kv3.4 antibody (Cat.-No.: [AP21098PU-N]) in paraffin-embedded human brain tissue.