

Product datasheet for **AP31782PU-N**

KCNC3 (317-328) Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	Peptide ELISA: 1/16000 (Detection Limit). Western Blot: 0.3-1 µg/ml. Approx 80kDa band observed in Mouse and Rat Brain lysates.
Reactivity:	Human, Mouse, Porcine, Rat
Host:	Goat
Clonality:	Polyclonal
Immunogen:	Peptide with sequence from the internal region of the protein sequence according to NP_004968.2.
Specificity:	Recognizes KCNC3 / Kv3.3 (317-328).
Formulation:	Tris saline, pH~7.3 containing 0.02% Sodium Azide as preservative and 0.5% BSA as stabilizer State: Aff - Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Ammonium Sulphate Precipitation followed by Antigen Affinity Chromatography using the immunizing peptide
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.
Gene Name:	potassium voltage-gated channel subfamily C member 3
Database Link:	Entrez Gene 3748 Human Q14003



[View online »](#)

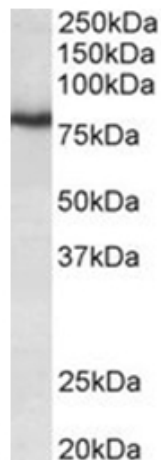
Background: KCNC3 mediates the voltage-dependent potassium ion permeability of excitable membranes. Assuming opened or closed conformations in response to the voltage difference across the membrane, the protein forms a potassium-selective channel through which potassium ions may pass in accordance with their electrochemical gradient.

The segment S4 is probably the voltage-sensor and is characterized by a series of positively charged amino acids at every third position. The tail may be important in modulation of channel activity and/or targeting of the channel to specific subcellular compartments.

Synonyms: Potassium voltage-gated channel subfamily C member 3, Voltage-gated potassium channel subunit Kv3.3, KSHIID

Note: Calculated Molecular Weight: 81.9kDa (Mouse NP_032448.2).

Product images:



Staining of Mouse brain lysate (35 ug protein in RIPA buffer) using KCNC3 Antibody at 0.3 ug/ml. Primary incubation was 1 hour. Detected by chemiluminescence.