

Product datasheet for **AP31842PU-N**

KCNC3 Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	Peptide ELISA: 1/64000 (Detection Limit). Western blot: 0.2-0.6 µg/ml. A band of ~80kDa is observed in Mouse fetal Brain lysates. Some minor background is detected and is blocked by the immunizing peptide. We call for caution when used for other assays than Western blot.
Reactivity:	Mouse, Porcine, Rat
Host:	Goat
Clonality:	Polyclonal
Immunogen:	Peptide with sequence from the internal region of the protein sequence according to NP_032448.2.
Specificity:	This antibody recognizes Mouse Kcnc3/Kv3.3
Formulation:	Tris buffered 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.
Database Link:	Q63959



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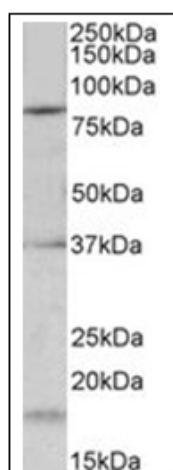
Background: KCNC3 mediates the voltage-dependent potassium ion permeability of excitable membranes. Assuming opened or closed conformations in response to the voltage difference across the membrane, the protein forms a potassium-selective channel through which potassium ions may pass in accordance with 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 (NP_032448.2)

Product images:



Staining of Mouse fetal Brain lysate (35g protein in RIPA buffer) using KCNC3 Antibody Cat.-No AP31842PU-N at 0.2 g/ml. Primary incubation was 1 hour. Detected by chemiluminescence.