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Polyclonal Antibody to KCNIP2 (C-term) - Purified

Alternate names: A-type potassium channel modulatory protein 2, Cardiac voltage-gated potassium channel modulatory subunit, KCHIP2, KCNIP2, Kv channel-interacting protein 2, Potassium channel-interacting protein 2

Catalog No.: AP11614PU-N

Quantity: 0.1 mg

Concentration: 0.25 mg/ml

Background: KChIP2b is a member of the family of voltage-gated potassium (Kv) channel-interacting proteins (KCNIPs), which belongs to the recoverin branch of the EF-hand superfamily. Members of the KCNIP family are small calcium binding proteins. They all have EF-hand-like domains, and differ from each other in the N-terminus. They are integral subunit components of native Kv4 channel complexes. They may regulate A-type currents, and hence neuronal excitability, in response to changes in intracellular calcium.

Uniprot ID: Q3YAB2

NCBI: 10090

GeneID: 80906

Host / Isotype: Rabbit / Ig

Immunogen: This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the C-terminal region of mouse KChIP2.

Format:
State: Liquid Ig fraction
Purification: Protein G column, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS
Buffer System: PBS with 0.09% (W/V) sodium azide

Applications:
ELISA 1:1,000.
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity:
This antibody detects KChIP2 at C-term.
Species: Mouse.
Other species not tested.

Add. Information: Molecular weight: 29012 Da

Storage:
Store the antibody at 2 - 8 °C up to one month or (in aliquots) at -20 °C for longer. Avoid repeated freezing and thawing.
Shelf life: one year from despatch.

General Readings:
1. Kim, L.A., et al., J. Biol. Chem. 279(7):5549-5554 (2004).
2. Ren, X., et al., J. Biol. Chem. 278(44):43564-43570 (2003).
3. Deschenes, I., et al., Circulation 106(4):423-429 (2002).

4. Ohya, S., et al., Biochem. Biophys. Res. Commun. 282(1):96-102 (2001).
5. Bahring, R., et al., J. Biol. Chem. 276(26):23888-23894 (2001).