10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

KCNMB2 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP20284a

Specification

KCNMB2 Antibody (N-term) - Product Information

Application	**WB,E**
Primary Accession	Q9Y691
Other Accession	Q811Q0, NP_852006.1
Reactivity	**Human**
Predicted	**Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**27130**
Antigen Region	**1-30**

KCNMB2 Antibody (N-term) - Additional Information

Gene ID 10242

Other Names
Calcium-activated potassium channel subunit beta-2, BK channel subunit beta-2, BKbeta2, Hbeta2, Calcium-activated potassium channel, subfamily M subunit beta-2, Charybdotoxin receptor subunit beta-2, Hbeta3, K(VCA)beta-2, Maxi K channel subunit beta-2, Slo-beta-2, KCNMB2

Target/Specificity
This KCNMB2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human KCNMB2.

Dilution
WB~~1:1000

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
KCNMB2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

KCNMB2 Antibody (N-term) - Protein Information

Name KCNMB2

Function Regulatory subunit of the calcium activated potassium KCNMA1 (maxiK) channel. Modulates the calcium sensitivity and gating kinetics of KCNMA1, thereby contributing to KCNMA1 channel diversity. Acts as a negative regulator that confers rapid and complete inactivation of KCNMA1 channel complex. May participate in KCNMA1 inactivation in chromaffin cells of the adrenal gland or in hippocampal CA1 neurons.

Cellular Location
Membrane; Multi-pass membrane protein.

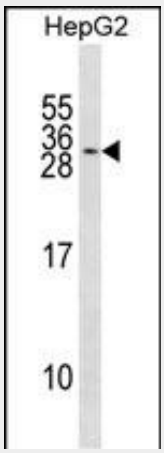
Tissue Location
Expressed in kidney, heart and brain. Highly expressed in ovary. Expressed at low level in other tissues

KCNMB2 Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

KCNMB2 Antibody (N-term) - Images



KCNMB2 Antibody (N-term) (Cat. #AP20284a) western blot analysis in HepG2 cell line lysates (35ug/lane).This demonstrates the KCNMB2 antibody detected the KCNMB2 protein (arrow).

KCNMB2 Antibody (N-term) - Background

MaxiK channels are large conductance, voltage and calcium-sensitive potassium channels which are fundamental to the control of smooth muscle tone and neuronal excitability. MaxiK channels can be formed by 2 subunits: the pore-forming alpha subunit and the modulatory beta subunit. The protein encoded by this gene is an auxiliary beta subunit which decreases the activation time of MaxiK alpha subunit currents. Two variants

encoding the same protein have been found for this gene. [provided by RefSeq].

KCNMB2 Antibody (N-term) - References

Trevino, L.R., et al. Nat. Genet. 41(9):1001-1005(2009)
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Zeng, X.H., et al. J. Neurosci. 27(17):4707-4715(2007)
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