

**KCNMB2 Antibody (N-term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP21369a**

## Specification

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### KCNMB2 Antibody (N-term) - Product Information

Application	WB,E
Primary Accession	<a href="#">O9Y691</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Calculated MW	27130

### 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 a rabbit immunized with a KLH conjugated synthetic peptide between 32-66 amino acids from the N-terminal region of human KCNMB2.

#### Dilution

WB~~1:2000

#### 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

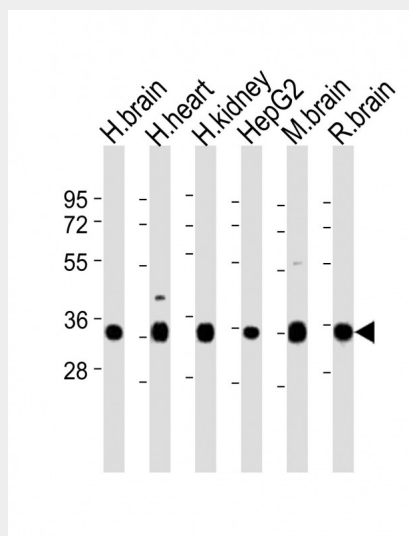
Expressed in kidney, heart and brain. Highly expressed in ovary. Expressed at low level in other tissues

### 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 Cytometry](#)
- [Cell Culture](#)

### KCNMB2 Antibody (N-term) - Images



All lanes : Anti-KCNMB2 Antibody (N-term) at 1:2000 dilution Lane 1: human brain lysates Lane 2: human heart lysates Lane 3: human kidney lysates Lane 4: HepG2 whole cell lysates Lane 5: mouse brain lysates Lane 6: rat brain lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 27 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

### KCNMB2 Antibody (N-term) - Background

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.

#### **KCNMB2 Antibody (N-term) - References**

Wallner M.,et al.Proc. Natl. Acad. Sci. U.S.A. 96:4137-4142(1999).

Brenner R.,et al.J. Biol. Chem. 275:6453-6461(2000).

Xia X.-M.,et al.J. Neurosci. 19:5255-5264(1999).

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