

# KCNMB2 Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AW5564

## Product Information

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<b>Application</b>	WB
<b>Primary Accession</b>	<a href="#">Q9Y691</a>
<b>Other Accession</b>	<a href="#">Q9CZM9</a> , <a href="#">Q811Q0</a>
<b>Reactivity</b>	Human, Mouse, Rat
<b>Predicted</b>	Dog, Chicken
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	27130
<b>Isotype</b>	Rabbit IgG
<b>Antigen Source</b>	HUMAN

## Additional Information

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<b>Gene ID</b>	10242
<b>Antigen Region</b>	32-66
<b>Other Names</b>	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
<b>Dilution</b>	WB~~1:2000
<b>Target/Specificity</b>	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.
<b>Format</b>	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.
<b>Storage</b>	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.
<b>Precautions</b>	KCNMB2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	KCNMB2
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<b>Function</b>	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.
<b>Cellular Location</b>	Membrane; Multi-pass membrane protein.
<b>Tissue Location</b>	Expressed in kidney, heart and brain. Highly expressed in ovary. Expressed at low level in other tissues

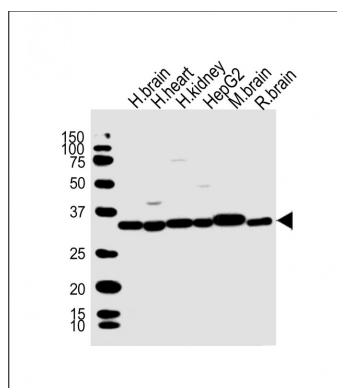
## Background

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.

## References

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 Brenner R.,et al.J. Biol. Chem. 275:6453-6461(2000).  
 Xia X.-M.,et al.J. Neurosci. 19:5255-5264(1999).  
 Meera P.,et al.Proc. Natl. Acad. Sci. U.S.A. 97:5562-5567(2000).  
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## Images



All lanes : Anti-KCNMB2 Antibody (N-term) at 1:2000 dilution  
 Lane 1: human brain lysate  
 Lane 2: human heart lysate  
 Lane 3: human kidney lysate  
 Lane 4: HepG2 whole cell lysate  
 Lane 5: mouse brain lysate  
 Lane 6: rat brain lysate  
 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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.