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KCNMB2 Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21356b

Product Information

Application	WB, E
Primary Accession	Q9Y691
Reactivity	Human, Rat, Mouse
Predicted	Bovine, Canine, Rabbit
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Clone Names	RB52793
Calculated MW	27130

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 174-189 amino acids from the C-terminal region of human KCNMB2.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
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 (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

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

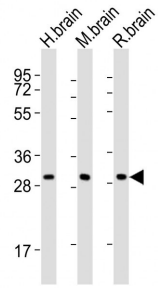
Background

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.

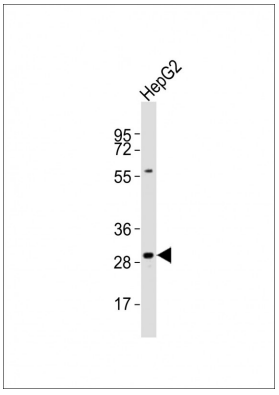
References

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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).
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Images



All lanes : Anti-KCNMB2 Antibody (C-term) at 1:2000 dilution Lane 1: human brain lysates Lane 2: mouse brain lysates Lane 3: 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.



Anti-KCNMB2 Antibody (C-term)at 1:1000 dilution + HepG2 whole cell 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.

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