

产品名称: MaxiK β 2 Rabbit Polyclonal Antibody
产品货号: AP Rab13676



产品概述 (Summary)

产品名称 (Production Name)	MaxiK β 2 Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,ELISA
种属反应性 (Reactivity)	Human,Mouse,Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	KCNMB2
别名 (Alternative Names)	KCNMB2; 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 cha
基因 ID (Gene ID)	10242.0
蛋白 ID (SwissProt ID)	Q9Y691.The antiserum was produced against synthesized peptide derived from human KCNMB2. AA range:151-200

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:10000-1:20000
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蛋白分子量 (Molecular Weight) 30kDa

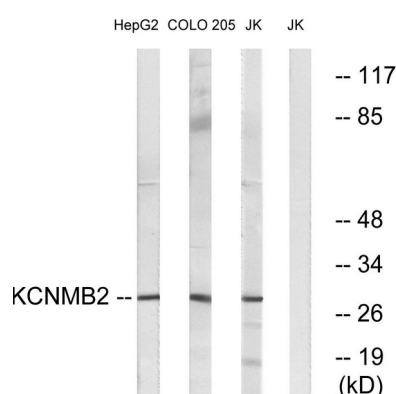
研究背景 (Background)

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 α subunit and the modulatory β subunit. The protein encoded by this gene is an auxiliary β subunit which decreases the activation time of MaxiK α subunit currents. Alternative splicing results in multiple transcript variants of this gene. Additional variants are discussed in the literature, but their full length nature has not been described. [provided by RefSeq, Jul 2013], domain: The ball and chain domain mediates the inactivation of KCNMA1. It occludes the conduction pathway of KCNMA1 channels, and comprises the pore-blocking ball domain (residues 1-17) and the chain domain (residues 20-45) linking it to the transmembrane segment. The ball domain is made up of a flexible N-terminus anchored at a well ordered loop-helix motif. The chain domain consists of a 4-turn helix with an unfolded linker at its C-terminus., 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., PTM: N-glycosylated., similarity: Belongs to the KCNMB family., subunit: Interacts with KCNMA1 tetramer. There are probably 4 molecules of KCMNB2 per KCNMA1 tetramer., tissue specificity: Expressed in kidney, heart and brain. Highly expressed in ovary. Expressed at low level in other tissues.,

研究领域 (Research Area)

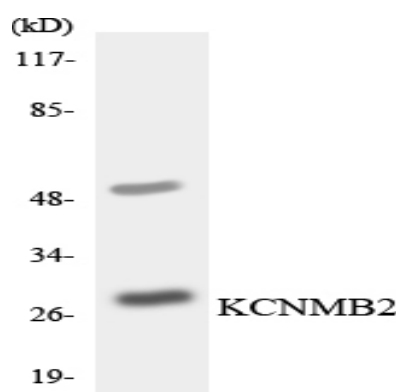
Vascular smooth muscle contraction;

图片 (Image Data)



Western blot analysis of lysates from Jurkat, COLO, and HepG2 cells, using KCNMB2 Antibody. The lane on the right is blocked with the synthesized peptide.

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Western blot analysis of the lysates from HepG2 cells using KCNMB2 antibody.



Western Blot analysis of various cells using MaxiK β 2 Polyclonal Antibody diluted at 1: 500

注意事项 (Note)

For research use only .