

产品名称: MaxiK β Rabbit Polyclonal Antibody
产品货号: APRab13675



产品概述 (Summary)

产品名称 (Production Name)	MaxiK β 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)	KCNMB4 KCNMB4; Calcium-activated potassium channel subunit beta-4; BK channel subunit beta-4; BKbeta4; Hbeta4; Calcium-activated potassium channel; subfamily M subunit beta-4; Charybdotoxin receptor subunit beta-4; K(VCA)beta-4; Maxi K channel sub
别名 (Alternative Names)	
基因 ID (Gene ID)	27345.0
蛋白 ID (SwissProt ID)	Q86W47.The antiserum was produced against synthesized peptide derived from human MaxiKbeta. AA range:70-119

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
----------------------	---

产品名称: MaxiK β Rabbit Polyclonal Antibody
产品货号: APRab13675



蛋白分子量 (Molecular Weight) 24kDa

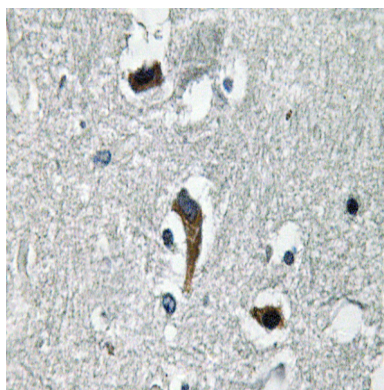
研究背景 (Background)

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 alpha subunit and the modulatory beta subunit. The protein encoded by this gene is an auxiliary beta subunit which slows activation kinetics, leads to steeper calcium sensitivity, and shifts the voltage range of current activation to more negative potentials than does the beta 1 subunit. [provided by RefSeq, Jul 2008],domain:Resistance to charybdotoxin (CTX) toxin is mediated by the extracellular domain.,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. Decreases the gating kinetics and calcium sensitivity of the KCNMA1 channel, but with fast deactivation kinetics. May decrease KCNMA1 channel openings at low calcium concentrations but increases channel openings at high calcium concentrations. Makes KCNMA1 channel resistant to 100 nM charybdotoxin (CTX) toxin concentrations.,miscellaneous:Treatment with okadaic acid reduces its effect on KCNMA1.,PTM:N-glycosylated. A highly glycosylated form is promoted by KCNMA1. Glycosylation, which is not required for the interaction with KCNMA1 and subcellular location, increases protection against charybdotoxin.,PTM:Phosphorylated. Phosphorylation modulates its effect on KCNMA1 activation kinetics.,similarity:Belongs to the KCNMB family.,subunit:Interacts with KCNMA1 tetramer. There are probably 4 molecules of KCMNB4 per KCNMA1 tetramer.,tissue specificity:Predominantly expressed in brain. In brain, it is expressed in the cerebellum, cerebral cortex, medulla, spinal cord, occipital pole, frontal lobe, temporal lobe, putamen, amygdala, caudate nucleus, corpus callosum, hippocampus, substantia nigra and thalamus. Weakly or not expressed in other tissues.,

研究领域 (Research Area)

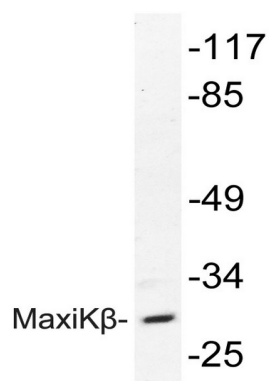
Vascular smooth muscle contraction;

图片 (Image Data)



Immunohistochemistry analysis of MaxiK β antibody in paraffin-embedded human brain tissue.

产品名称: MaxiK β Rabbit Polyclonal Antibody
产品货号: APRab13675



Western blot analysis of lysate from HepG2 cells, using MaxiK β antibody.



Western Blot analysis of various cells using MaxiK β Polyclonal Antibody

注意事项 (Note)

For research use only .