

产品名称: KCNQ5 Rabbit Polyclonal Antibody
产品货号: APRab12949



产品概述 (Summary)

产品名称 (Production Name)	KCNQ5 Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ELISA
种属反应性 (Reactivity)	Human,Mouse

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)	KCNQ5 KCNQ5; Potassium voltage-gated channel subfamily KQT member 5; KQT-like
别名 (Alternative Names)	5; Potassium channel subunit alpha KvLQT5; Voltage-gated potassium channel subunit Kv7.5
基因 ID (Gene ID)	56479.0
蛋白 ID (SwissProt ID)	Q9NR82.The antiserum was produced against synthesized peptide derived from human KCNQ5. AA range:637-686

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:50-1:300,ELISA 1:2000-1:20000
蛋白分子量 (Molecular Weight)	100-110kDa

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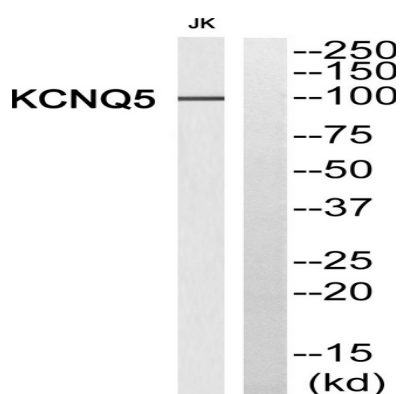


研究背景 (Background)

This gene is a member of the KCNQ potassium channel gene family that is differentially expressed in subregions of the brain and in skeletal muscle. The protein encoded by this gene yields currents that activate slowly with depolarization and can form heteromeric channels with the protein encoded by the KCNQ3 gene. Currents expressed from this protein have voltage dependences and inhibitor sensitivities in common with M-currents. They are also inhibited by M1 muscarinic receptor activation. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2009], domain: The segment S4 is probably the voltage-sensor and is characterized by a series of positively charged amino acids at every third position., function: Probably important in the regulation of neuronal excitability. Associates with KCNQ3 to form a potassium channel which contributes to M-type current, a slowly activating and deactivating potassium conductance which plays a critical role in determining the subthreshold electrical excitability of neurons. May contribute, with other potassium channels, to the molecular diversity of an heterogeneous population of M-channels, varying in kinetic and pharmacological properties, which underlie this physiologically important current. Insensitive to tetraethylammonium, but inhibited by barium, linopirdine and XE991. Activated by niflumic acid and the anticonvulsant retigabine. Muscarine suppresses KCNQ5 current in Xenopus oocytes in which cloned KCNQ5 channels were coexpressed with M(1) muscarinic receptors., similarity: Belongs to the potassium channel family. KQT subfamily., subunit: Heteromultimer with KCNQ3., tissue specificity: Strongly expressed in brain and skeletal muscle. In brain, expressed in cerebral cortex, occipital pole, frontal lobe and temporal lobe. Lower levels in hippocampus and putamen. Low to undetectable levels in medulla, cerebellum and thalamus.,

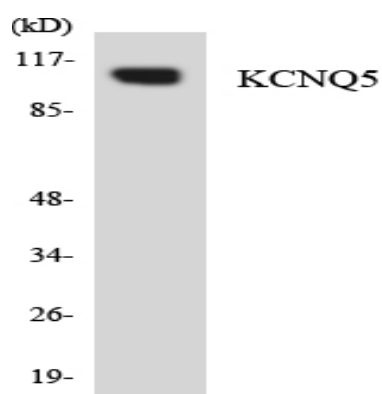
研究领域 (Research Area)

图片 (Image Data)



Western blot analysis of KCNQ5 Antibody. The lane on the right is blocked with the KCNQ5 peptide.

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Western blot analysis of the lysates from COLO205 cells using KCNQ5 antibody.

注意事项 (Note)

For research use only .