

产品名称: Na⁺ CP type VII α Rabbit Polyclonal Antibody
产品货号: AP Rab14376



产品概述 (Summary)

产品名称 (Production Name)	Na ⁺ CP type VII α Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC
种属反应性 (Reactivity)	Human,Monkey

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)	SCN7A SCN7A; SCN6A; Sodium channel protein type 7 subunit alpha; Putative voltage-gated sodium channel subunit alpha Nax; Sodium channel protein cardiac and skeletal muscle subunit alpha; Sodium channel protein type VII subunit alpha
别名 (Alternative Names)	
基因 ID (Gene ID)	6332.0
蛋白 ID (SwissProt ID)	Q01118.The antiserum was produced against synthesized peptide derived from human SCN7A. AA range:771-820

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:50-1:300
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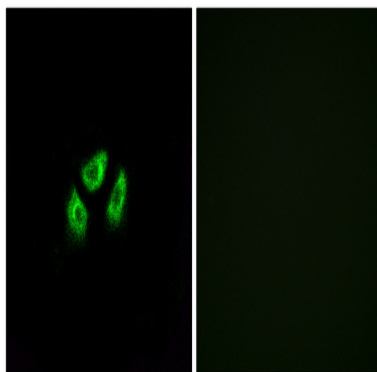
蛋白分子量 (Molecular Weight) 200kDa

研究背景 (Background)

This gene encodes one of the many voltage-gated sodium channel proteins. For proper functioning of neurons and muscles during action potentials, voltage-gated sodium channels direct sodium ion diffusion for membrane depolarization. This sodium channel protein has some atypical characteristics; the similarity between the human and mouse proteins is lower compared to other orthologous sodium channel pairs. Also, the S4 segments, which sense voltage changes, have fewer positive charged residues than in other sodium channels; domain 4 has fewer arginine and lysine residues compared to other sodium channel proteins. Several alternatively spliced transcript variants exist, but the full-length nature of all of them remains unknown. [provided by RefSeq, Dec 2011], domain: The sequence contains 4 internal repeats, each with 5 hydrophobic segments (S1, S2, S3, S5, S6) and one positively charged segment (S4). Segments S4 are probably the voltage-sensors and are characterized by a series of positively charged amino acids at every third position., function: Mediates the voltage-dependent sodium ion permeability of excitable membranes. Assuming opened or closed conformations in response to the voltage difference across the membrane, the protein forms a sodium-selective channel through which Na⁽⁺⁾ ions may pass in accordance with their electrochemical gradient., similarity: Belongs to the sodium channel family., tissue specificity: Heart and uterus.,

研究领域 (Research Area)

图片 (Image Data)



Immunofluorescence analysis of A549 cells, using SCN7A Antibody. The picture on the right is blocked with the synthesized peptide.

注意事项 (Note)

For research use only .