

产品名称: Kv1.3 (phospho Tyr187) Rabbit Polyclonal Antibody
产品货号: APRab04929



产品概述 (Summary)

产品名称 (Production Name)	Kv1.3 (phospho Tyr187) 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)	Phosphorylated
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)	KCNA3
别名 (Alternative Names)	KCNA3; HGK5; Potassium voltage-gated channel subfamily A member 3; HGK5; HLK3; HPCN3; Voltage-gated K(+) channel HuKIII; Voltage-gated potassium channel subunit Kv1.3
基因 ID (Gene ID)	3738.0
蛋白 ID (SwissProt ID)	P22001.The antiserum was produced against synthesized peptide derived from human Kv1.3/KCNA3 around the phosphorylation site of Tyr135. AA range:101-150

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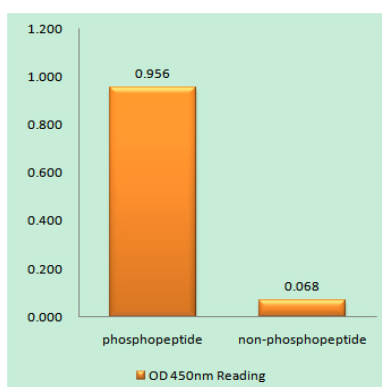
稀释比 (Dilution Ratio) WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:200-1:1000,ELISA 1:10000-1:20000
蛋白分子量 (Molecular Weight) 58kDa

研究背景 (Background)

Potassium channels represent the most complex class of voltage-gated ion channels from both functional and structural standpoints. Their diverse functions include regulating neurotransmitter release, heart rate, insulin secretion, neuronal excitability, epithelial electrolyte transport, smooth muscle contraction, and cell volume. Four sequence-related potassium channel genes - shaker, shaw, shab, and shal - have been identified in *Drosophila*, and each has been shown to have human homolog(s). This gene encodes a member of the potassium channel, voltage-gated, shaker-related subfamily. This member contains six membrane-spanning domains with a shaker-type repeat in the fourth segment. It belongs to the delayed rectifier class, members of which allow nerve cells to efficiently repolarize following an action potential. It plays an essential role in T-cell proliferation and caution: It is uncertain whether Met-1 or Met-53 is the initiator., domain: The N-terminus may be important in determining the rate of inactivation of the channel while the tail may play a role in modulation of channel activity and/or targeting of the channel to specific subcellular compartments., 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: Mediates the voltage-dependent potassium ion permeability of excitable membranes. Assuming opened or closed conformations in response to the voltage difference across the membrane, the protein forms a potassium-selective channel through which potassium ions may pass in accordance with their electrochemical gradient., sequence caution: Translation N-terminally extended., similarity: Belongs to the potassium channel family. A (Shaker) subfamily., subunit: Heterotetramer of potassium channel proteins. Binds PDZ domains of DLG1, DLG2 and DLG4.,

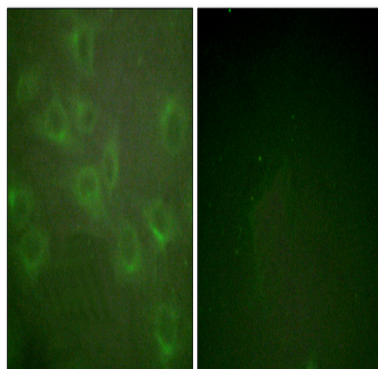
研究领域 (Research Area)

图片 (Image Data)

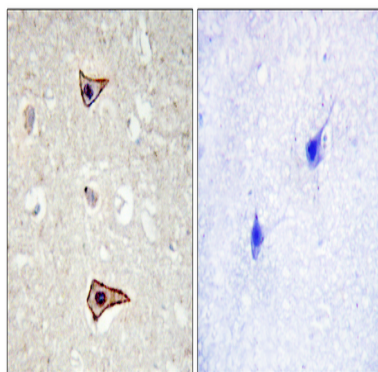


Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using Kv1.3/KCNA3 (Phospho-Tyr135) Antibody

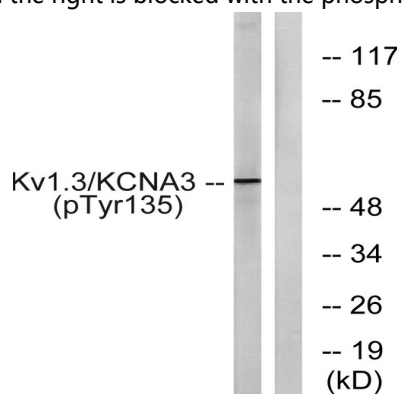
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Immunofluorescence analysis of HUVEC cells, using Kv1.3/KCNA3 (Phospho-Tyr135) Antibody. The picture on the right is blocked with the phospho peptide.



Immunohistochemistry analysis of paraffin-embedded human brain, using Kv1.3/KCNA3 (Phospho-Tyr135) Antibody. The picture on the right is blocked with the phospho peptide.



Western blot analysis of lysates from Jurkat cells treated with starved 24h, using Kv1.3/KCNA3 (Phospho-Tyr135) Antibody. The lane on the right is blocked with the phospho peptide.

注意事项 (Note)

For research use only .