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Datasheet for ABIN1386731
anti-KCNA3 antibody (pTyr135)

Overview

Quantity:	100 µL
Target:	KCNA3
Binding Specificity:	pTyr135
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KCNA3 antibody is un-conjugated
Application:	ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic phosphopeptide derived from human KCNA3 around the phosphorylation site of Tyr135
Isotype:	IgG
Predicted Reactivity:	Human,Mouse,Rat,Cow,Sheep,Horse,Chicken,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	KCNA3
Alternative Name:	KCNA3 (KCNA3 Products)

Target Details

Background: Synonyms: KCNA3 phospho Y135, p-KCNA3 phospho Y135, p-KV1.3 phospho Y135, Potassium Channel Kv1.3, HGK 5, HGK5, HLK 3, HLK3, HPCN 3, HPCN3, HuKIII, KCNA 3, KCNA3, KV1.3, MK 3, MK3, PCN 3, PCN3, Potassium channel 3, Potassium voltage gated channel shaker related subfamily member 3, Potassium voltage gated channel subfamily A member 3, Type n potassium channel, Voltage gated potassium channel subunit Kv1.3, KCNA3_HUMAN.

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 activation. This gene appears to be intronless and it is clustered together with KCNA2 and KCNA10 genes on chromosome 1. [provided by RefSeq, Jul 2008].

Application Details

Application Notes:

- ELISA 1:500-1000
- IHC-P 1:200-400
- IHC-F 1:100-500
- IF(IHC-P) 1:50-200
- IF(IHC-F) 1:50-200
- IF(ICC) 1:50-200
- ICC 1:100-500

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Handling

Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months