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Datasheet for ABIN1387903
anti-KCNMA1 antibody (AA 21-120)

Overview

Quantity:	100 µL
Target:	KCNMA1
Binding Specificity:	AA 21-120
Reactivity:	Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KCNMA1 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunocytochemistry (ICC), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human BKCA alpha
Isotype:	IgG
Cross-Reactivity:	Mouse, Rat
Predicted Reactivity:	Human,Cow,Pig,Chicken,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	KCNMA1
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Target Details

Alternative Name: BK channel ([KCNMA1 Products](#))

Background: Synonyms: subfamily M subunit alpha-1, BK channel, BKCA alpha, BKCA alpha subunit, BKTm, Calcium-activated potassium channel, Calcium-activated potassium channel subunit alpha-1, Drosophila slowpoke like, hSlo, KVCAalpha, KCa1.1, KCMA1_HUMAN, KCNMA, KCNMA1, Maxi K channel, Maxi Potassium channel alpha, MaxiK, SAKCA, SLO alpha, SLO, Slo homolog, Slo-alpha, Slo1, Slowpoke homolog.

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, which is the product of this gene, and the modulatory beta subunit. Intracellular calcium regulates the physical association between the alpha and beta subunits. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008].

Pathways: [Regulation of Hormone Metabolic Process](#), [Sensory Perception of Sound](#)

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

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

Handling

Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Expiry Date: 12 months