

KCNA4 Polyclonal Antibody

Catalog No: #29829

Package Size: #29829-1 50ul #29829-2 100ul

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Description

Product Name	KCNA4 Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB
Species Reactivity	Mouse,Rat
Immunogen Description	A synthetic peptide of human KCNA4 (NP_002224.1).
Other Names	KCNA4; HBK4; HK1; HPCN2; HUKII; KCNA4L; KCNA8; KV1.4; PCN2; potassium voltage-gated channel subfamily A member 4
Accession No.	Swiss-Prot#:P22459NCBI Gene ID:3739
Uniprot	P22459
GeneID	3739;
Calculated MW	Refer to figures
Formulation	Avoid freeze / thaw cycles. Buffer: PBS with 50% glycerol, pH7.4.
Storage	Store at -20°C

Application Details

WB□1:500 - 1:2000

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 A-type potassium current class, the members of which may be important in the regulation of the fast repolarizing phase of action potentials in heart and thus may influence the duration of cardiac action potential.

Note: This product is for in vitro research use only