

## KCNA4 Antibody (C-term)

Catalog_no :	AB2000
Applications :	WB, FC
Reactivity :	H
Category :	抗原抗体
Size :	100μL/50μL
Immunogen :	HUMAN:591-619
Specificity :	This KCNA4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 591-619 amino acids from the C-terminal region of human KCNA4.
Dilution :	WB,1:1000;
Purification :	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Other_name :	Potassium voltage-gated channel subfamily A member 4, HPCN2, Voltage-gated K(+) channel HuKII, Voltage-gated potassium channel HBK4, Voltage-gated potassium channel HK1, Voltage-gated potassium channel subunit Kv14, KCNA4, KCNA4L
Isotype :	Rabbit Ig
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. The coding region of this gene is intronless, and the gene is clustered with genes KCNA3 and KCNA10 on chromosome 1.
reference :	Schwetz, T.A., et al. Biochim. Biophys. Acta 1798(3):367-375(2010) Angelova, P.R., et al. Eur. J. Neurosci. 29(10):1943-1950(2009) Mckeown, L., et al. J. Biol. Chem. 283(44):30421-30432(2008) Lee, J.H., et al. Mol. Pharmacol. 73(3):619-626(2008) Gess