KCNA5 Polyclonal Antibody

catalog number: E-AB-14174

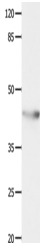
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human;Mouse;Rat
Immunogen	Recombinant protein of human KCNA5
Host	Rabbit
Isotype	IgG
Purification	Affinity purification
Conjugation	Unconjugated
buffer	Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer and 50% glycerol.

Applications	Recommended Dilution
WB	1:500-1:2000

Data



Western Blot analysis of Mouse spleen tissue using KCNA5 Polyclonal Antibody at dilution of 1:700

Calculated-MV:67 kDa

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	The product is shipped with ice pack,upon receipt,store it immediately at the temperature recommended.

Background

Potassium channels represent the most complex class of voltage-gated ino 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, the function of which could restore the resting membrane potential of beta cells after depolarization and thereby contribute to the regulation of insulin secretion.This gene is intronless, and the gene is clustered with genes KCNA1 and KCNA6 on chromosome 12.Defects in this gene are a cause of familial atrial fibrillation type 7 (ATFB7).

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