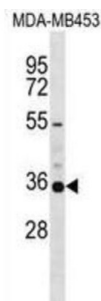


Potassium Voltage-Gated Channel Subfamily A Member 5 (KCNA5) Antibody

Catalogue No.: abx029240



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, 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. [provided by RefSeq].

Target: Potassium Voltage-Gated Channel Subfamily A Member 5 (KCNA5)

Clonality: Polyclonal

Reactivity: Human

Tested Applications: ELISA, WB

Host: Rabbit

Recommended dilutions: WB: 1/1000. Optimal dilutions/concentrations should be determined by the end user.

Conjugation: Unconjugated

Immunogen: KLH-conjugated synthetic peptide between 508-536 amino acids from the C-terminal region of human KCNA5.

Isotype: IgG

Form: Liquid

Purification: Purified through a protein A column, followed by peptide affinity purification.

Datasheet

Version: 3.0.0
Revision date: 04 Jun 2025



Storage: Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.

UniProt Primary AC: P22460 ([UniProt](#), [ExPASy](#))

Gene Symbol: KCNA5

KEGG: hsa:3741

String: [9606.ENSP00000252321](#)

Molecular Weight: Calculated MW: 67.2 kDa

Buffer: PBS containing 0.09% sodium azide.

Note: THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

For Reference Only