

# KCNA10 Rabbit pAb

Catalog No.: A15681

## Basic Information

**Observed MW**

62kDa

**Calculated MW**

57kDa

**Category**

Primary antibody

**Applications**

WB

**Cross-Reactivity**

Human

## 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 is specifically regulated by cGMP and postulated to mediate the effects of substances that increase intracellular cGMP. This gene is intronless, and the gene is clustered with genes KCNA2 and KCNA3 on chromosome 1.

## Recommended Dilutions

WB

1:500 - 1:2000

## Immunogen Information

**Gene ID**

3744

**Swiss Prot**

Q16322

**Immunogen**

Recombinant fusion protein containing a sequence corresponding to amino acids 1-125 of human KCNA10 (NP\_005540.1).

**Synonyms**

KCNA10;Kcn1;Kv1.8

## Contact

[www.abclonal.com](http://www.abclonal.com)

## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

Affinity purification

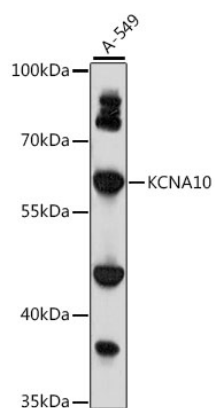
**Storage**

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.01% thiomersal, 50% glycerol, pH7.3.

## Validation Data

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Western blot analysis of extracts of A-549 cells, using KCNA10 antibody (A15681) at 1:1000 dilution.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25ug per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 60s.