

KCNA1 Polyclonal Antibody

Catalog Number:E-AB-12529



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

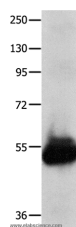
Description

| | |
|---------------------|---|
| Reactivity | Human,Mouse,Rat |
| Immunogen | Synthetic peptide of human KCNA1 |
| Host | Rabbit |
| Isotype | IgG |
| Purification | Affinity purification |
| Conjugation | Unconjugated |
| Formulation | PBS with 0.05% sodium azide and 50% glycerol, PH7.4 |

Applications Recommended Dilution

| | |
|-----------|--------------|
| WB | 1:500-1:2000 |
|-----------|--------------|

Data



Western Blot analysis of Human kidney cancer tissue using KCNA1 Polyclonal Antibody at dilution of 1:600
Calculated Mw:56kDa

Preparation & Storage

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

Background

This gene encodes a voltage-gated delayed potassium channel that is phylogenetically related to the Drosophila Shaker channel. The encoded protein has six putative transmembrane segments (S1-S6), and the loop between S5 and S6 forms the pore and contains the conserved selectivity filter motif (GYGD). The functional channel is a homotetramer. The N-terminus of the channel is associated with beta subunits that can modify the inactivation properties of the channel as well as affect expression levels. The C-terminus of the channel is complexed to a PDZ domain protein that is responsible for channel targeting. Mutations in this gene have been associated with myokymia with periodic ataxia (AEMK).

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