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39-2150: Anti-Kv1.1 potassium channel Polyclonal Antibody

Clonality: Polyclonal

Application: WB

Reactivity: Human, Mouse, Rat

 Gene :
 KCNA1

 Gene ID :
 3736

 Uniprot ID :
 Q09470

 Format :
 Lyophilized

Potassium voltage-gated channel subfamily A member 1; Voltage-gated K(+) channel HuKl;

Alternative Name: Voltage-gated potassium channel HBK1; Voltage-gated potassium channel subunit Kv1.1;

KCNA1

Isotype: Rabbit IgG

A synthetic peptide corresponding to a sequence at the C-terminus of human Kv1.1 potassium

Immunogen Information: channel(465-481aa IAHYRQVNIRTANCTTA), different from the related mouse sequence by two

amino acids, and from the related rat sequence by four amino acids.

Description

Potassium voltage-gated channel subfamily A member 1, also known as Kv1.1, is a shaker related voltage-gated potassium channel that in humans is encoded by the KCNA1 gene. It is mapped to 12p13.32. The protein functions as a potassium selective channel through which the potassium ion may pass through in consensus with the electrochemical gradient. 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.

Product Info

Amount: 100 μg/vial

Purification: Immunogen affinity purified.

Content: Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.

Reconstitute: Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Storage condition:

At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and

stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

Application Note

Western blot : 0.1-0.5̸¼g/ml

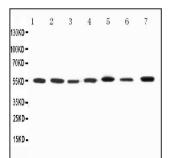


Figure 1: Anti-Kv1.1 potassium channel antibody(39-2150). Western blotting: Lanes: Anti-KCNA1(39-2150) at 0.5ug/ml. Lane 1: Rat Brain Tissue Lysate at 40ug, Lane 2: Rat Testis Tissue Lysate at 40ug, Lane 3: Rat Cardiac Muscle Tissue Lysate at 40ug, Lane 4: HELA Whole Cell Lysate at 40ug, Lane 5: U87 Whole Cell Lysate at 40ug, Lane 6: SHG Whole Cell Lysate at 40ug, Lane 7: NEURO Whole Cell Lysate at 40ug. Predicted band size: 56 kDa. Observed band size: 56 kDa.