

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
Alternative Name :	Potassium voltage-gated channel subfamily A member 1; Voltage-gated K(+) channel HuK1 ; Voltage-gated potassium channel HBK1 ; Voltage-gated potassium channel subunit Kv1.1; KCNA1
Isotype :	Rabbit IgG
Immunogen Information :	A synthetic peptide corresponding to a sequence at the C-terminus of human Kv1.1 potassium 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 : 0.1-0.5 µg/ml

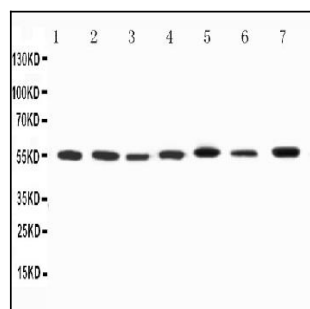


Figure 1: Anti-Kv1.1 potassium channel antibody(39-2150). Western blotting: Lanes: Anti-KCNA1(39-2150) at 0.5ug/ml. Lane 1: Rat Brain Tissue Lysate at 40ug, Lane 2: Rat Testis Tissue Lysate at 40ug, Lane 3: Rat Cardiac Muscle Tissue Lysate at 40ug, Lane 4: HELA Whole Cell Lysate at 40ug, Lane 5: U87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