

Anti - Kv1.4 potassium channel Polyclonal

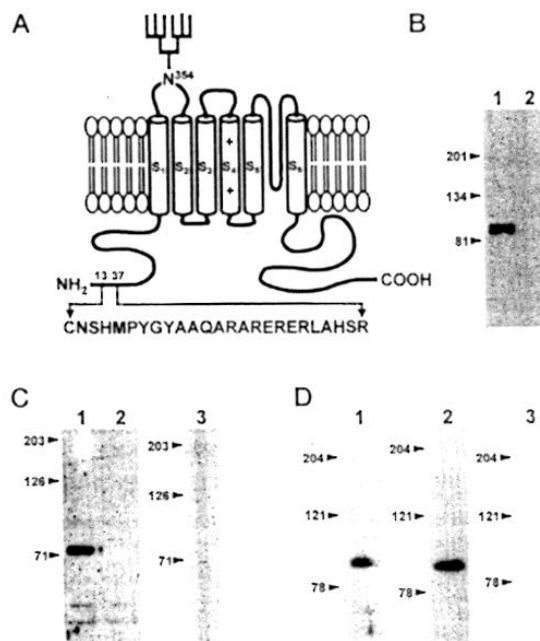
Description: In neurons voltage-dependent potassium channels are key determinants of the resting membrane potential and of membrane excitability, conditioning the frequency, and shape of action potential (1). Potassium channels are encoded by numerous genes whose products can be classified into distinct subfamilies. The most distinctively characterized is that of the Kv1 shaker class (2). The rabbit anti kv 1.4 potassium channel antibody recognizes a 90 kDa protein by western blot on rat hippocampal membranes and a protein of 76 kDa in lysates of HEK293 cells (3).

Product: rabbit anti Kv 1.4

Form: rabbit polyclonal IgG purified

Formulation: 1 mg/ml, provided as 0.2µm sterile filtered solution in phosphate buffered saline with 0.08% sodium azide.

Applications: 1- 10 ug/ml for western blot analysis, immunofluorescence, immunoprecipitation.



Legend: Exalpa's rabbit anti Kv 1.4 potassium channel polyclonal antibody. A] Postulated structure of rat Kv 1.4 showing the NH2 terminal seq. Used to generate X1037. Western blots of: B] rat hippocampal membrane (90kDa), C] HEK293 cells transfected with Kv 1.4 and D] PSD-95 transfected cells (95 kDa).

Storage: Antibodies should be stored at -20°C . Aliquot to avoid freeze/thaw cycles.

Stability: Antibodies are stable for one year from purchase if stored frozen.

Ordering Information:	Form Purified	Vial Size 100 ug	Catalog # X1037
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For research use only. Not for use in human diagnostics or therapeutics.

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