

Product datasheet for **AP05077PU-N**

Kcna4 Rabbit Polyclonal Antibody

Product data:

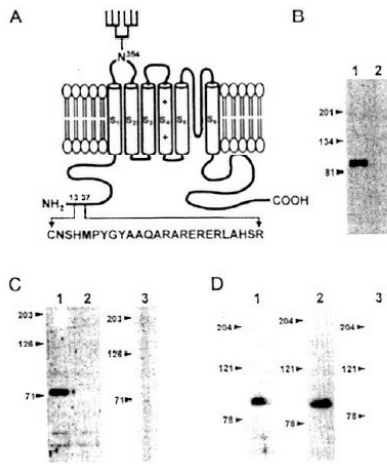
Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	Western Blot: 1 - 10 µg/ml. Immunofluorescence. Immunoprecipitation.
Reactivity:	Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Specificity:	This antibody reacts to Kv1.4 potassium channel.
Formulation:	Phosphate buffered saline with 0.08% sodium azide State: Purified State: Liquid purified Ig (0.2µm sterile filtered)
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store the antibody at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	potassium voltage-gated channel subfamily A member 4
Database Link:	Entrez Gene 25469 Rat P15385
Background:	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).



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Synonyms: Potassium voltage-gated channel subfamily A member 4, Voltage-gated potassium channel subunit Kv1.4, HPCN2, HBK4, HUKII, RCK4, RHK1, RK3

Product images:



Kv 1.4 potassium channel 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).