Kvbeta 1.2 K^+ Channel Monoclonal Antibody

ORDERING INFORMATION

Catalog No.: 11556 (clone S47-42)

Size: 100ug in PBS, pH 7.4, 50% glycerol, 0.09% sodium azide. Purified by Protein G affinity chromatography.

BACKGROUND

Ion channels are integral membrane proteins that establish and control the small voltage gradient across the plasma membranes of living cells by allowing the flow of ions down their electrochemical gradient based on charge or ionic species, such as sodium or potassium. In some ion channels, the passage of ions is governed by a gate which is controlled by chemical or electrical signals, temperature, or mechanical forces. Depolarization-activated potassium channels (Kv) play a major role in shaping the electrical signals of the nervous system. Kvbeta isoroms form a heteromultimeric complex with alpha subunits and modulate the activity of pore-forming alpha subunits.

SPECIFICATION SUMMARY

Antigen: Synthetic peptide corresponding to aa9-28 (unique N-terminus, ADIPSPKLGLPKSSESALKC) of rat Kvbeta 1.2.

Host Species: Mouse

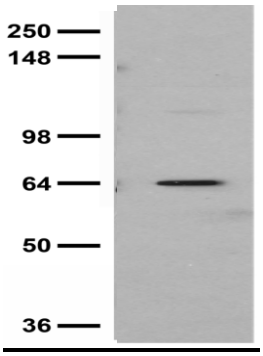
Antibody Class: IgG1

SPECIFICITY

This antibody recognizes human, mouse, and rat Kvbeta 1.2.

APPLICATIONS

Immunoblotting: use at 1ug/ml. A band of ~65kDa is detected.



Immunoblot on adult rat brain membrane

Immunohistochemistry/Immunocyto-chemistry: use at 0.1-1.0ug/ml.

Immunofluorescence: use at 1.0-10ug/ml.

Positive control: Rat brain lysate

These are recommended concentrations; enduser should determine optimal concentrations for their applications.

DILUTION INSTRUCTIONS

Dilute in PBS or medium which is identical to that used in the assay system.

STORAGE AND STABILITY

This antibody is stable for at least one (1) year at -20°C.

For in vitro investigational use only. Not intended for diagnostic or therapeutic applications.

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