Anti-Slo2.2 Sodium-Activated K^+ Channel Monoclonal Antibody

ORDERING INFORMATION

Catalog No.: 11530 (clone S3-26)
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 help establish and control the small voltage gradient across the plasma membrane of living cells by allowing the flow of ions down their electrochemical gradient. Slo2.2 is a sodium-activated potassium channel. Slo2.2 channels may contribute to the resting potentials of cells. They also have sensors that couple channel activity to intracellular concentrations of Na^+ and Cl^-.

SPECIFICATION SUMMARY

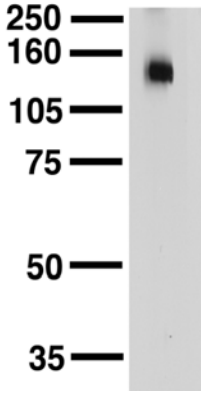
Antigen: Fusion protein corresponding to aa 1168-1237 of rat Slo2.2 (accession no. NP_068625). This sequence is 94% homologous with human and 98% homologous with mouse Slo2.2.
Host Species: Mouse
Antibody Class: IgG1

SPECIFICITY

This antibody recognizes human (weak), mouse, and rat Slo2.2.

APPLICATIONS

Immunoblotting: use at 1-10ug/ml. A band of ~140kDa is detected.



Adult rat brain membrane probed with #11530.

Immunohistochemistry and Immunocytochemistry: use at 0.1-1ug/ml
Immunofluorescence: use at 1-10ug/ml
These are recommended concentrations. User should determine optimal concentrations for their application.
Positive control: Rat brain lysate.

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. Avoid repeated freezing and thawing.

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

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