

NALCN Monoclonal Antibody

ORDERING INFORMATION

Catalog No.: 11568 (clone S185-7)
Size: 100ug in PBS (1mg/ml), pH 7.4,
50% glycerol, 0.09% sodium azide.
Purified by Protein G affinity
chromatography.

BACKGROUND

NALCN (sodium leak channel non-selective protein) is a 1,738 amino acid multi-pass membrane protein in the cation-nonspecific channel family. NALCN is highly conserved in mammalian species and is widely expressed in the central nervous system. NALCN is a voltage-independent, non-selective cation channel which is permeable to sodium, potassium, and calcium ions. It is responsible for background sodium ion leak conductance in neurons and regulates basal excitability of the nervous system. Three isoforms of NALCN result from alternative splicing events.

SPECIFICATION SUMMARY

Antigen: Fusion protein corresponding to aa 1659-1738 (cytoplasmic C-terminus) of rat NALCN (accession no.Q6Q760).

Host Species: Mouse

Antibody Class: IgG1

SPECIFICITY

This antibody recognizes mouse and rat NALCN.

APPLICATIONS

Immunoblotting: use at 1ug/ml. Predicted molecular weight is ~200kDa.



Immunoblot of #11568 on adult rat brain lysate.

Positive Control: rat brain lysate.

These are recommended concentrations. Endusers 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. Avoid repeated freeze-thaw cycles.

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