

Anti-Chapsyn-110 Monoclonal Antibody

ORDERING INFORMATION

Catalog No.: 56470 (clone S18-30)
Size: 100ug in PBS, pH 7.4; 50% glycerol, 0.09% sodium azide. Purified by Protein G affinity chromatography.

BACKGROUND

Chapsyn-110 is a member of the membrane-associated putative guanylate kinase (MAGUK) family. It binds directly to the NMDA receptor and Shaker K⁺ channel subunits and is 70-80% identical to PSD-95/SAP90 and SAP97. It mediates clustering of both NMDA receptors and K⁺ channels in heterologous cells. The encoded protein forms a heterodimer with PSD-95 that may interact at postsynaptic sites to form a multimeric scaffold for the clustering of receptors, ion channels, and associated signaling proteins.

SPECIFICATION SUMMARY

Antigen: Fusion protein corresponding to aa 1-852 of rat Chapsyn-110 (accession no. Q63622). This sequence is 94% homologous with human and 99% homologous with mouse Chapsyn-110.

Host Species: Mouse

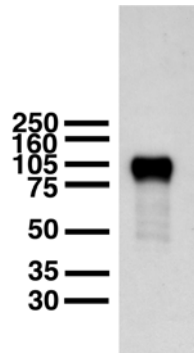
Antibody Class: IgG1

SPECIFICITY

This antibody recognizes human (weak), mouse, and rat Chapsyn-110. It does not react with PSD-95, SAP97, or SAP102.

APPLICATIONS

Immunoblotting: use at 1-10ug/ml. A band of ~110kDa is detected.



Adult rat brain membranes probed with #56470

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.