CLAC-P Polyclonal Antibody

ORDERING INFORMATION

Catalog No.: 28115

Size: 100 ug antigen affinity-purified antibody in PBS, pH 7.4.

SPECIFICATION SUMMARY

Antigen: Synthetic peptide corresponding to aa 430-445 of the NC3 region of human and mouse CLAC-P.

Host Species: Rabbit

Antibody Class: Polyclonal

Preservatives: None. Available on request.

BACKGROUND

Alzheimer's disease (AD) is characterized by deposition of β-amyloid as senile plaques and cerebral amyloid angiopathy. The principal component of AD amyloid is the amyloid β peptide (Aβ). Although production and deposition of Aβ appear closely related to the pathogenesis of AD, current evidence suggest that Aβ alone is not sufficient to cause neuronal death and symptoms of dementia. A component of senile plaque (SP), CLAC (collagen-like Alzheimer amyloid plaque component) and its precursor CLAC-P are deposited with extracellular β-amyloid and have been recently implicated in cell toxicity of β-amyloid in AD brains. CLAC-P is a unique, membrane-bound collagen-like structure containing three Gly-X-Y repeat motifs and may define a novel class of neuronal collagens.

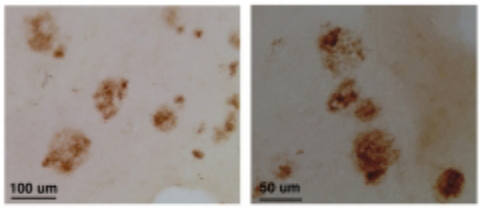
SPECIFICITY

This antibody recognizes native and human and mouse CLAC-P.

APPLICATIONS

Immunoblotting: at 2-5ug/ml, a band of approx. 70 kDa is detected in HEK293 cell lysate.

Immunohistochemistry (paraffin): at 5-10ug/ml, positive staining of senile plaques in AD brains.



Immunostaining of floating sections of neocortex of Alzheimer's disease (AD) brains (fixed with 10% formalin for 24 hrs, cut at 50 microns) using anti-CLAC-P at 0.2 ug/ml. At a high magnification, the CLAC-P antibody stains senile plaques

These are recommended concentrations. User 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 multiple freeze-thaw cycles.

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

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