

Anti-APP (CT) Antibody

ORDERING INFORMATION

Catalog No.: 2136

Size: 100 ug IgG in PBS, pH 7.4, purified by immunoaffinity chroma-tography.

BACKGROUND

Accumulation of the amyloid- β peptide ($A\beta$) in the cerebral cortex is a critical event in the pathogenesis of Alzheimer's disease. The β -amyloid protein precursor (APP) is cleaved by β -secretase, producing a soluble derivative of the protein and a membrane anchored 99-amino acid carboxy-terminal fragment (C99). The C99 fragment serves as substrate for γ -secretase to generate the 4 kD amyloid- β peptide which is deposited in the brain.

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

SPECIFICATION SUMMARY

Antigen: Peptide corresponding to aa 737-751 of human amyloid protein precursor (APP) or aa 85-99 of the C99 fragment generated by β -secretase cleavage. The sequences are identical to those of monkey, mouse, rat, chicken, and a variety of other species.

Host Species: Rabbit

Stabilizers: None

Preservatives: 0.02% sodium azide.

SPECIFICITY

This antibody recognizes human, mouse, and rat APP and the C99 fragment.

APPLICATIONS

Immunoblotting: use at 1:500-1:1,000 dilution.

Positive control: Mouse 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 multiple freeze-thaw cycles.