

## Anti-APP (A $\beta$ -NT) Antibody

### ORDERING INFORMATION

**Catalog No.:** 2133

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

### BACKGROUND

Accumulation of the amyloid- $\beta$  peptide (A $\beta$ ) in the cerebral cortex is a critical event in the pathogenesis of Alzheimer's disease. The  $\beta$ -amyloid protein precursor (APP) is cleaved by  $\beta$ -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  $\gamma$ -secretase to generate the 4 kD amyloid- $\beta$  peptide which is deposited in the brain.

### SPECIFICITY

This antibody recognizes human, mouse, and rat APP and A $\beta$  peptide.

### SPECIFICATION SUMMARY

**Antigen:** Peptide corresponding to aa 653-662 of human amyloid protein precursor (APP) or aa 1-10 of the 4kD A $\beta$  peptide generated by  $\beta$ - and  $\gamma$ -secretases. The sequences are identical to those of rabbit, pig, cow, guinea pig, and chicken.

**Host Species:** Rabbit

**Stabilizers:** None

**Preservatives:** 0.02% sodium azide.

### 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.

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