

**APP770 (351) Anti-Human Rabbit IgG Affinity Purify**

**Polyclonal Antibody**

**Cat.NO.: PA01062**

---

3th Edition

**Description:** Alzheimer's disease (AD) is a typical senile dementia and it is believed that accumulation of Amyloid $\beta$  (A $\beta$ ) in brain parenchyma is a major cause of the disease. Meanwhile, accumulation of A $\beta$  has been also observed on cerebrovascular walls of nearly 90% of individuals suffering with AD. A $\beta$  is known to be produced from Amyloid Precursor Protein (APP) by cleavage with two types of protease ( $\alpha$ - and  $\gamma$ - secretase) and A $\beta$  molecules which accumulate in brain parenchyma are mainly produced from APP expressed in neurons, APP695. In contrast to this, another different APP, APP770, was found to be expressed in cerebrovascular endothelial cells, and it has been newly reported that the A $\beta$  produced from the APP770 can accumulate on cerebrovascular walls (ref. 1). This antibody recognizes human APP770.

**Antigen:** Synthetic peptide of a part of human APP770.

**Form:** Lyophilized product in PBS containing 1 % BSA and 0.05 % NaN<sub>3</sub>.

**How to use:** 1.0 ml distilled water will be added to the product

**Stability:** Lyophilized product, 5 years at 2 – 8°C; Solution, 2 years at –20°C

**Dilution:** PBS (pH7.4) containing 1% BSA

**Application:** This antibody can be used for western blotting in concentration of 1 $\mu$ g/ml.

**Specificity:**