

Code No. 18584

**Anti-Human
Amyloid [N] Rabbit IgG Affinity Purify**

Volume : 100 µg

Lot No : 0I-112

Introduction : Alzheimer's Disease (AD) is characterized by the presence of extracellular plaques and intracellular neurofibrillary tangles(NFTs) in the brain. The major protein component of these plaques is beta amyloid peptide (A_β), a 40 to 43 amino acid peptide cleaved from amyloid precursor protein by β-secretase and a putative γ-secretase. Increased release of the 'longer forms' of A_β peptide, A_β 42 or A_β 43, which have a greater tendency to aggregate than A_β 40, occurs in individuals expressing certain genetic mutations, expressing certain ApoE alleles, or may involve other, still undiscovered, factors. Many researchers theorize that it is this increased release of A_β 42/A_β 43 which leads to the abnormal deposition of A_β and the associated neurotoxicity in the brains of affected individuals.

Antigen : Synthetic peptide for N-terminal of Human Amyloid**Form** : Lyophilized product from 1% BSA in PBS containing 0.05%NaN₃**How to use** : 0.5 ml distilled water will be added to the product**Dilution** : PBS (pH7.4) containing 1% BSA**Stability** : Lyophilized product, 5 years at 2 – 8
: Solution, 2 years at –20

Application : This antibody can be stained in formalin fixed paraffin embedded tissues after formic acid treatment*¹ by several Immunohistochemical techniques such as Avidin Biotin Complex (ABC) Method. The optimal dilution is 1 ~ 5 µg/ml, however, the dilution rate should be optimized by each laboratories.
This antibody can be used for Western blotting in concentration of 5 µg /ml.

*1 Rinsing by running water after formic acid treatment for 5 minutes following de-paraffin.

Specificity : React with all of Human Amyloid [1-40], [1-42] and [1-43]

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