

Code No. 18580

**Anti-Human
Amyloid β (1-40) Rabbit IgG Affinity Purify**Volume : 50 μ g

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 C-terminal of Human Amyloid β (1-40) (MVGGVV)

Purification : Affinity Purified with antigen peptide

Form : Lyophilized product from 1% BSA in PBS containing 0.05%NaN₃

How to use : 0.5 mL deionized water will be added to the product (the conc. comes up 100 μ g/mL)

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

Application : This antibody can be used in immunohistochemistry with formalin fixed paraffin embedded tissues after formic acid treatment*¹ by several techniques such as Avidin Biotin Complex (ABC) method. The optimal concentration is 1 - 5 μ g/mL, however, the concentration should be optimized by each laboratory.

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

: This antibody can be used for western blotting in concentration of 5 μ g/mL.

Specificity : Human Amyloid β (1-40) specific.
Not cross-react with human Amyloid β (1-42) or (1-43).

For research use only, not for use in diagnostic procedures.

Distributed by:



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