

Amyloid Beta (1-40) A β Anti-Human Rabbit IgG Affinity Purify**Polyclonal Antibody****Cat.NO.: PA01041**

3th Edition

Description: 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).

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

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 (pH 7.4) containing 1% BSA

Application: This antibody can be used for western blotting in concentration of 1 μ g/ml.

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