

Code No. 18584

**Anti-Human  
Amyloid $\beta$  (N) Rabbit IgG Affinity Purify**Volume : 100  $\mu$ g

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**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 (A $\beta$ ) peptide, a 40 to 43 amino acid peptide cleaved from amyloid precursor protein by  $\beta$ -secretase and  $\gamma$ -secretase. Increased release of A $\beta$ 42 or A $\beta$ 43, both of which exhibit a greater tendency to aggregate than A $\beta$ 40, occurs in individuals expressing certain genetic mutations, ApoE alleles or may involve other undiscovered factors. Many researchers theorize that it is this increased release of A $\beta$ 42/A $\beta$ 43 which leads to the abnormal deposition of A $\beta$  and the associated neurotoxicity in the brains of affected individuals. It is also reported that a distinct A $\beta$  peptide, A $\beta$ N3pE, is deposited in senile plaques in a dominant and differential manner as compared with the standard A $\beta$  peptide.

**Antigen :** Synthetic peptide of the N-terminal part of human Amyloid $\beta$

**Purification :** Purified with antigen peptide

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

**How to use :** 1.0 mL deionized water will be added to the product (the conc. comes up 100  $\mu$ g/mL)

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

**Application :** This antibody can be used for immunohistochemistry with formalin fixed paraffin embedded tissues after formic acid treatment\*<sup>1</sup>. The recommended concentration is 1 - 5  $\mu$ 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 about 5  $\mu$ g /mL.

**Specificity :** Reacts with all of human Amyloid $\beta$  (1-40), (1-42) and (1-43)

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

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**Anti-Human  
Amyloid $\beta$  (N) Rabbit IgG Affinity Purify**Volume : 10  $\mu$ g

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**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 (A $\beta$ ) peptide, a 40 to 43 amino acid peptide cleaved from amyloid precursor protein by  $\beta$ -secretase and  $\gamma$ -secretase. Increased release of A $\beta$ 42 or A $\beta$ 43, both of which exhibit a greater tendency to aggregate than A $\beta$ 40, occurs in individuals expressing certain genetic mutations, ApoE alleles or may involve other undiscovered factors. Many researchers theorize that it is this increased release of A $\beta$ 42/A $\beta$ 43 which leads to the abnormal deposition of A $\beta$  and the associated neurotoxicity in the brains of affected individuals.

It is also reported that a distinct A $\beta$  peptide, A $\beta$ N3pE, is deposited in senile plaques in a dominant and differential manner as compared with the standard A $\beta$  peptide.

**Antigen :** Synthetic peptide of the N-terminal part of human Amyloid $\beta$

**Purification :** Purified with antigen peptide

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

**How to use :** 0.1 mL deionized water will be added to the product (the conc. comes up 100  $\mu$ g/mL)

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

**Application :** This antibody can be used for immunohistochemistry with formalin fixed paraffin embedded tissues after formic acid treatment\*<sup>1</sup>. The recommended concentration is 1 - 5  $\mu$ g/mL, however, the concentration should be optimized by each laboratory.

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