

**Rabbit Anti-Human Amyloid Beta Peptide 42 Polyclonal Antibody Datasheet**

Product Name: pAb Rabbit anti-human Amyloid beta peptide 42 **Catalogue No.:** AI90001 **Quantity:** 0.1 mg/vial

Description: Rabbit anti-human Amyloid beta peptide 42 polyclonal antibody

Purification: Protein G affinity purified

Product Type: Primary antibody

Target Protein: Human Amyloid beta peptide 42

Immunogen: Synthetic full-length human amyloid beta peptide 42 (A β 42).

Source Rabbit

Specificity: This antibody recognizes human Abeta 42

Species Reactivity: Human, others not tested

Formulation: Lyophilized from a solution in 0.01M PBS, pH 7.2

Reconstitution: Double distilled water is recommended to adjust the final concentration to 1.00mg/mL.

Storage: Store at -20°C

Research Area: Alzheimer's disease and other neurodegenerative disease.

Background: Amyloid beta peptide 42 (A β 42) is best known for its role in the formation of senile plaques in the brain of patients with Alzheimer's disease. A β 42 and A β 40 are the two major amyloid peptides that are produced after cleavage of amyloid precursor protein by secretases. A β 42 (42 amino acids) is very fibrillogenic. The beta pleated structure of A β 42 constituents the initial and key component of the insoluble amyloid fibril in senile plaque. It is widely accepted that A β 42 contributes to the pathogenesis of Alzheimer's disease. One proposition is that the deposition of amyloid fibril onto the brain tissue results in Alzheimer's disease. Another is that the neurotoxicity of A β 42 oligomer is the cause of the disease.

Applications: **Indirect ELISA:** The antibody is reactive to full-length human A β 42 in indirect ELISA. It has not been evaluated in sandwich ELISA assay.

References: If research is published using this product, please inform Anogen in order to cite the reference on this datasheet. Anogen will provide one unit of product in the same category as gratitude.

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