

## Anti-Beta-Amyloid 1-42 Antibody (2M559)

## Product Details

|                   |                                      |
|-------------------|--------------------------------------|
| Ig Type:          | IgG                                  |
| Reactivity:       | Human (predicted:Mouse,Rat)          |
| Molecular Weight: | Theoretical: 4.4 kDa. Actual: 5 kDa. |
| Clone:            | 2M559                                |
| Purification:     | Protein G purified                   |

## Applications

|              |   |
|--------------|---|
| Application: | IF,IHC-Fr,IHC-P,WB  |
| Recommended  | IF=1:200-2000; IHC-Fr=1:500-5000; IHC-P=1:500-5000; WB=1:500-2000 |

## Properties

|                      |   |
|----------------------|---|
| Stability & Storage: | Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. |
| Shipping:            | Shipping with blue ice.   |

## Antigen Details

|                  |  |
|------------------|--|
| Immunogen:       | KLH conjugated synthetic peptide: human beta-Amyloid   |
| Antigen Species: | Human  |
| Gene ID:         | 351  |
| Uniprot ID:      | P05067   |
| Synonyms:        | APP695;Amyloid Precursor;Amyloid Precursor Protein 695 |
| Biology Area:    | Regulation,RNA Processing,DNA / RNA binding            |

## Research Background

The cerebral and vascular plaques associated with Alzheimer's disease are mainly composed of Amyloid beta peptides. beta Amyloid is derived from cleavage of the Amyloid precursor protein and varies in length from 39 to 43 amino acids. beta Amyloid [1-40], beta Amyloid [1-42], and beta Amyloid [1-43] peptides result from cleavage of Amyloid precursor protein after residues 40, 42, and 43, respectively. The cleavage takes place by gamma-secretase during the last Amyloid precursor protein processing step. beta Amyloid [1-40], beta Amyloid [1-42], and beta Amyloid [1-43] peptides are major constituents of the plaques and tangles that occur in Alzheimer's disease. beta Amyloid antibodies and peptides have been developed as tools for elucidating the biology of Alzheimer's disease.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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