

# $\beta$ -Amyloid(1-40) Rabbit mAb

Catalog No.: A24949 **Recombinant**

## Basic Information

### Observed MW

### Calculated MW

87kDa

### Category

Primary antibody

### Applications

DB, IHC-P, IF/ICC, ELISA

### Cross-Reactivity

Mouse

### CloneNo number

ARC65337

## Background

This gene encodes a cell surface receptor and transmembrane precursor protein that is cleaved by secretases to form a number of peptides. Some of these peptides are secreted and can bind to the acetyltransferase complex APBB1/TIP60 to promote transcriptional activation, while others form the protein basis of the amyloid plaques found in the brains of patients with Alzheimer disease. In addition, two of the peptides are antimicrobial peptides, having been shown to have bacteriocidal and antifungal activities. Mutations in this gene have been implicated in autosomal dominant Alzheimer disease and cerebroarterial amyloidosis (cerebral amyloid angiopathy). Multiple transcript variants encoding several different isoforms have been found for this gene.

## Recommended Dilutions

**DB** 1:500 - 1:1000**IHC-P** 1:500 - 1:2000**IF/ICC** 1:200 - 1:800

**ELISA** Recommended starting concentration is 1  $\mu$ g/mL. Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

### Gene ID

351

### Swiss Prot

P05067

### Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

### Synonyms

AAA; AD1; PN2; ABPP; APPI; CVAP; ABETA; PN-II; preA4; CTFgamma; alpha-sAPP;  $\beta$ -Amyloid(1-40)

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

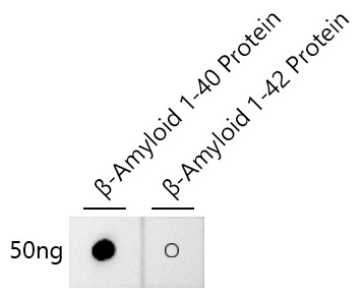
Affinity purification

### Storage

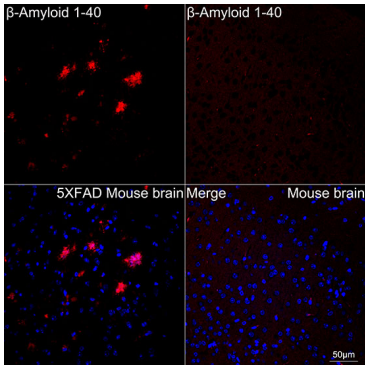
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.09% Sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

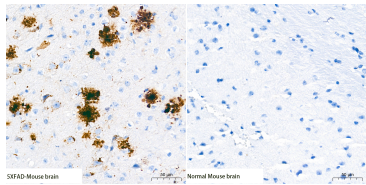
Validation Data



Dot-blot analysis of  $\beta$ -Amyloid 1-40 and  $\beta$ -Amyloid 1-42 proteins using  $\beta$ -Amyloid(1-40) Rabbit mAb (A24949) at 1:1000 dilution.



Confocal imaging of paraffin-embedded 5XFAD mouse brain (model for Alzheimer disease, left) and BALB/c mouse brain(normal, right) using  $\beta$ -Amyloid(1-40) Rabbit mAb (A24949, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 40x.



Immunohistochemistry analysis of paraffin-embedded (5XFAD)Mouse brain tissue and normal mouse brain tissue using  $\beta$ -Amyloid(1-40) Rabbit mAb (A24949) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.