A24949

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β-Amyloid(1-40) Rabbit mAb

Catalog No.: A24949 Recombinant

Basic Information

Observed MW

Calculated MW
87kDa

Category
SMab Recombinant Monoclonal Antibody

Applications
IHC-P,IF/ICC,ELISA,DB

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 μg/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; β-Amyloid(1-40)

Product Information

Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.09% Sodium azide,0.05% BSA,50% glycerol,pH7.3.

Contact

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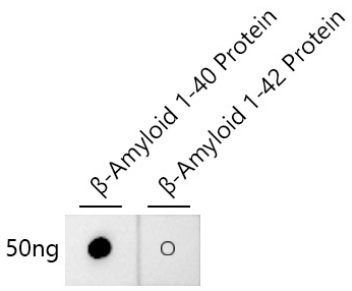
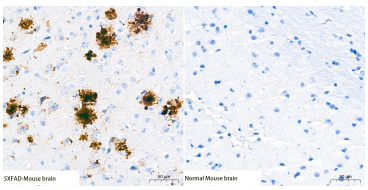
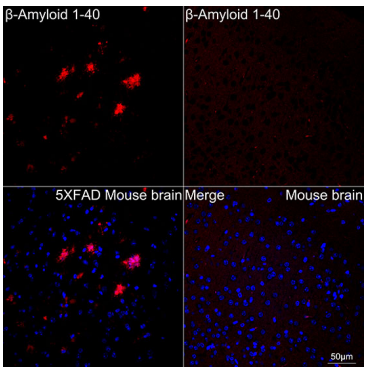
Validation Data



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



Immunohistochemistry analysis of paraffin-embedded (5XFAD)Mouse brain tissue and normal mouse brain tissue using β-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.



Confocal imaging of paraffin-embedded 5XFAD mouse brain (model for Alzheimer disease, left) and BALB/c mouse brain(normal, right) using β-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.