

Datasheet for ABIN6655141
anti-APP antibody

5 Images



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Overview

| | |
|--------------|---|
| Quantity: | 100 µL |
| Target: | APP |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This APP antibody is un-conjugated |
| Application: | Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF), Immunoprecipitation (IP) |

Product Details

| | |
|-----------------------------|---|
| Purpose: | Amyloid Fibrils (OC) Antibody |
| Immunogen: | Amyloid Fibrils (OC) Antibody was produced from whole rabbit serum prepared by repeated immunizations with fibrils prepared from human Abeta42 synthetic peptide. |
| Isotype: | IgG |
| Cross-Reactivity (Details): | A BLAST analysis was used to suggest cross-reactivity with Amyloid Fibrils (OC) from Human based on 100 % homology with the immunizing sequence. |
| Purification: | Anti-Amyloid Fibrils (OC) Antibody was purified by Protein A chromatography. |
| Sterility: | Sterile filtered |

Target Details

| | |
|---------|-----|
| Target: | APP |
|---------|-----|

Target Details

Alternative Name: [APP \(APP Products\)](#)

Background: Synonyms: Amyloid OC, Fibrils, Amyloid Oligomer $\alpha\beta$, A11, Amyloid beta A4 protein, ABPP, APPI, Alzheimer disease amyloid protein, Cerebral vascular amyloid peptide, PreA4, Protease nexin-II, APP, A4, AD1

Background: Amyloid monomeric proteins can sometimes oligomerize into destructive amyloid fibrils. Amyloidogenic conformations of non-disease related proteins can be created by partial protein misfolding or denaturation. Many degenerative diseases are known to be related to the accumulation of misfolded proteins as amyloid fibres. These include the amyloid- β peptide plaques and tau neurofibrillary tangles in senile plaques of Alzheimer's symptomology, the deposition of α -synuclein in the Lewy bodies of Parkinson's disease, and accumulation of polyglutamine-containing aggregates in Huntington's disease.

Gene Name: APP

UniProt: [P05067](#)

Pathways: [Caspase Cascade in Apoptosis](#), [EGFR Signaling Pathway](#), [Transition Metal Ion Homeostasis](#), [Skeletal Muscle Fiber Development](#), [Toll-Like Receptors Cascades](#), [Feeding Behaviour](#)

Application Details

Application Notes: Immunoprecipitation_Dilution: User Optimized
ELISA_Dilution: 1:200
Immunohistochemistry_Dilution: User Optimized
Western_Blot_Dilution: 1:1000

Comment: Suggested Applications: Other
Anti-Amyloid Fibrils (OC) Antibody is tested for use in IP, IF microscopy, IHC, and WB. Specific conditions for reactivity should be optimized by the end user.

Restrictions: For Research Use only

Handling

Format: Liquid

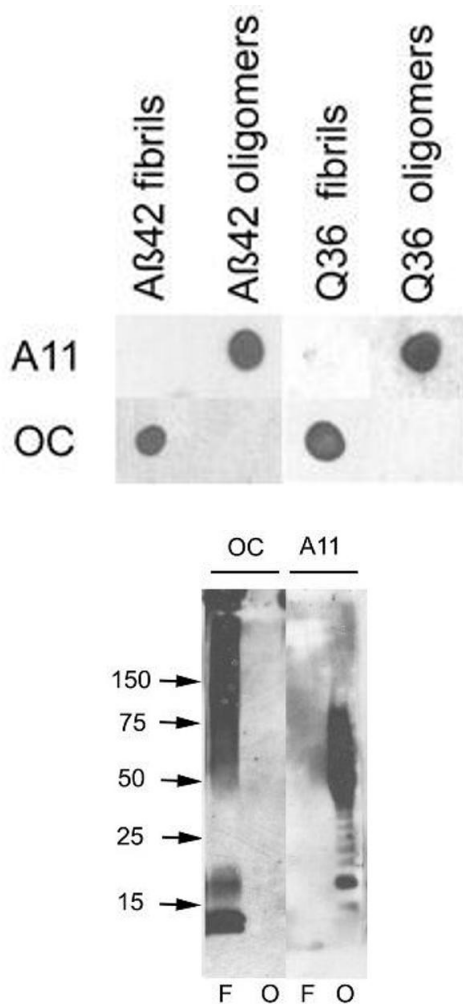
Buffer: Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Stabilizer: 50 % (v/v) Glycerol
Preservative: 0.09 % (w/v) Sodium Azide

Preservative: Sodium azide

Handling

| | |
|--------------------|---|
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | 4 °C, -20 °C |
| Storage Comment: | Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use. |
| Expiry Date: | 12 months |

Images

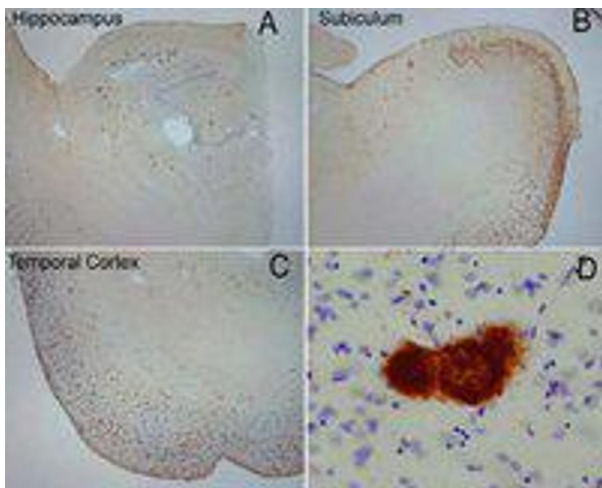


Dot Blot

Image 1. Amyloid Fibrils Dot Blot Dot Blot of Rabbit Amyloid Fibrils (OC) antibody. Antigen: Aβ42 and polyQ36 prefibrillar oligomers and fibrils. Load: 2ug per dot. Primary antibody: Top row: Amyloid Oligomers (A11) or bottom row: Amyloid Fibrils (OC) at 1:400 for 45 min at 4°C. Secondary Antibody: Goat anti-rabbit IgG HRP at 1:10,000 for 45 min at RT. Block: 5% Blotto overnight at 4°C. Amyloid Fibrils (OC) reacts to Aβ42 fibrils and polyQ36 fibrils only.

Western Blotting

Image 2. Amyloid Fibrils Western Blot. Western Blot of rabbit Anti-Amyloid Fibrils Antibody. Lane 1 and 3: (F) Fibrils. Lane 2 and 4: (O) prefibrillar oligomers. Load: 10 ug per lane. Primary antibody: Anti-Amyloid Fibrils or Anti-Oligomers at 1:1000 for overnight at 4°C. Secondary antibody: Goat anti-rabbit IgG HRP antibody at 1:40,000 for 45 min at RT. Block: 5% Blotto overnight at 4°C. Predicted/Observed size: 18kDa on left blot (OC) in lane one.



Immunohistochemistry

Image 3. Amyloid Fibrils Immunohistochemistry. Immunohistochemistry of Rabbit anti-Amyloid Fibrils antibody. Tissue: (A) hippocampus, (B) subiculum, (C) temporal cortex, and (D) dense and fine fibrillar material. Fixation: N/A. Primary Antibody: Amyloid Fibrils antibody at 1ug/ml for 1h at RT. Secondary antibody: Peroxidase rabbit secondary at 1:10,000 for 45 min at RT. Localization: Membrane. Staining: Amyloid Fibrils as precipitated brown signal with hematoxylin purple nuclear counterstain.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN6655141.