

# Anti-Amyloid Precursor Protein (APP), Peptide #3 Antibody



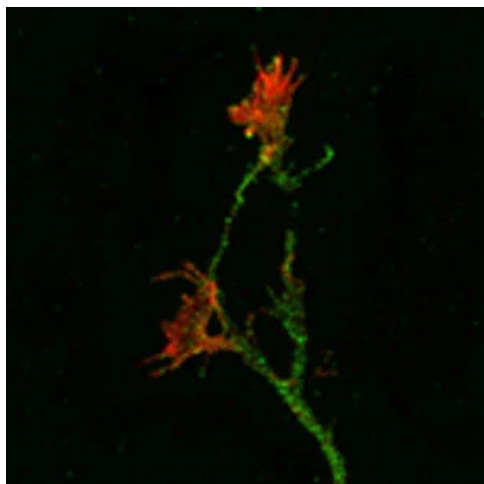
## Product Details

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| Available Variants | 1000 µL (SKU:APP3)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Isotype            | IgY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Gene Name          | APP A4 AD1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Host Species       | Chicken                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Concentration      | 100 µg/mL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Format             | Affinity-Purified IgY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Physical State     | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Buffer             | Phosphate-buffered (10 mM) isotonic (0.9%, w/v) saline ("PBS," pH 7.2) with sodium azide (0.02%, w/v) added as a preservative.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Production Notes   | Chickens were immunized with a keyhole limpet hemocyanin (KLH) conjugate of the synthetic peptide QHF QEK VES LEQ EAA NER QQ, which corresponds to residues #433-452 of the human gene product (NP_000475.1). This sequence is also conserved in the mouse and rat APP gene products, as well. After repeated injections, immune eggs were collected from the hens, and the IgY fractions were purified from the yolks. These IgY fractions were then affinity-purified against the cognate peptide using an agarose column, the concentration of the eluates adjusted to 100 µg/mL, and the preparation was filter-sterilized. |
| Applications       | ICC, IHC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Dilution Ranges    | IHC: 1:500-1:1000<br>ICC: 1:500-1:1000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Species Reactivity | Human, Mouse, Rat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Immunogen          | Synthetic peptide (QHF QEK VES LEQ EAA NER AA, residues #433-452) from the human APP gene product                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

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| <b>Molecular Weight</b>     | 87 kDa                                                                                                                                                                                                                               |
| <b>Quality Control</b>      | This anti-peptide antibody mixture was analyzed by immunohistochemistry (at a dilution of 1:1000) using fluorescein-labeled goat anti-chicken IgY (1:500 dilution, Aves Labs Cat.# F-1005) as the secondary reagent.                 |
| <b>Storage</b>              | Store at 4°C in the dark. Under these conditions, the antibodies should have a shelf life of at least twelve months, provided they remain sterile. For longer term storage, aliquot and freeze to avoid freeze-thaw of the antibody. |
| <b>Antibody Registry ID</b> | AB_2797314                                                                                                                                                                                                                           |
| <b>UniProt ID</b>           | <u>P05067</u>                                                                                                                                                                                                                        |
| <b>Country of Origin</b>    | United States                                                                                                                                                                                                                        |
| <b>Shipping</b>             | Ice packs                                                                                                                                                                                                                            |
| <b>Expiration</b>           | 12 months from receipt of product                                                                                                                                                                                                    |
| <b>Usage Statement</b>      | These antibodies are to be used as research laboratory reagents and are not for use as diagnostic or therapeutic reagents in humans.                                                                                                 |

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## Product Images



Mouse cortical neurons in culture. The green staining is APP-immunoreactivity, using fluorescein-labeled goat anti-chicken IgY (Product No. F-1005, Aves Labs) and rhodamine-labeled phalloidin as a counterstain. Note the APP-staining of the neurites and growth cones, and the phalloidin-staining limited to the distal growth cones and filapodia. Photomicrograph courtesy of Dr. Philip Copenhaver (OHSU).

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**Product Page URL:** [www.antibodiesinc.com/products/anti-amyloid-precursor-protein-app-peptide-3-antibody-app3](http://www.antibodiesinc.com/products/anti-amyloid-precursor-protein-app-peptide-3-antibody-app3)



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