



Chickens make *better* antibodies.

Product Data Sheet

Catalog Number: APP3

Description: Amyloid Precursor Protein (APP), Peptide #3 Chicken polyclonal anti-peptide antibody

Volume: Regular 1000 μ L, Sampler 200 μ L

Concentration: Affinity-purified anti-peptide antibodies generated against APP peptide #3 are at a concentration of 100 μ g/mL (based on absorbance at 280 nm).

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 μ g/ml, and the preparation was filter-sterilized.

Quality Control: 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.

Storage: **Store at 4°C in the dark.** Under these conditions, the antibodies should have a shelf life of at least 12 months (provided they remain sterile). Do not freeze these antibodies unless you want to store them for longer periods of time. Note, however, that each time an antibody preparation is frozen, about half of its binding activity is lost.

Recommended Dilutions: 1:500-1:1000 for immunohistochemistry and immunocytochemistry using 2% paraformaldehyde-fixed tissues or cells. Please note that these dilutions are meant to serve as starting points, and that optimal dilutions may vary.

*Aves Labs products are intended for use as research laboratory reagents.
They are not intended for use as diagnostic or therapeutic reagents in humans.*