

Anti-Amyloid Precursor Protein (APP), Peptide #4 Antibody

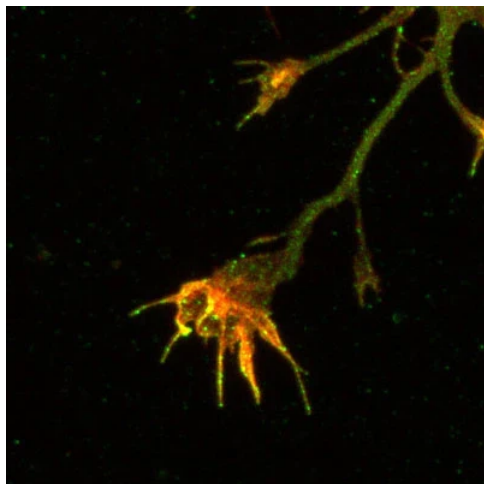


Product Details

Available Variants	1000 µL (SKU:APP4)
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 EQK DRQ HTL KHF EHV RMV DPK K, which corresponds to residues #501-522 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 ICC: 1:500-1:1000
Species Reactivity	Human, Mouse, Rat
Immunogen	Synthetic peptide (EQK DRQ HTL KHF EHV RMV DPK K, residues #501-522) from the human APP gene product

Molecular Weight	87 kDa
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.
Antibody Registry ID	AB_2797316
UniProt ID	<u>P05067</u>
Country of Origin	United States
Shipping	Ice packs
Expiration	12 months from receipt of product
Usage Statement	These antibodies are to be used as research laboratory reagents and are not for use as diagnostic or therapeutic reagents in humans.

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 filopodia. Photomicrograph courtesy of Dr. Philip Copenhagen (OHSU).

Product Page URL: www.antibodiesinc.com/products/anti-amyloid-precursor-protein-app-peptide-4-antibody-app4

