

Anti-Amyloid Precursor Protein (APP), Peptide #3, #4, #5 Antibody

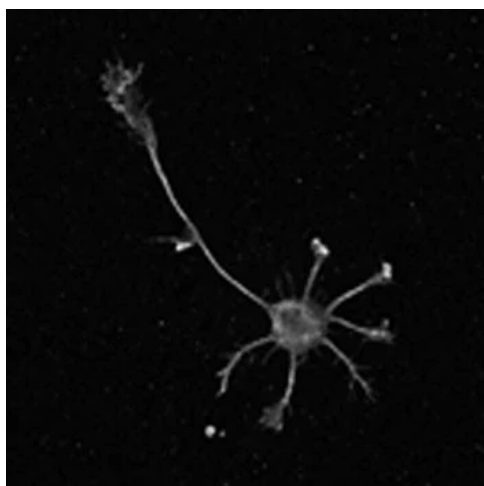


Product Details

Available Variants	1000 µL (SKU:APP345)
Isotype	IgY
Gene Name	APP A4 AD1
Host Species	Chicken
Concentration	300 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 keyhole limpet hemocyanin (KLH) conjugates of three different synthetic peptides (named #3, #4 and #5). Peptide #3 is QHF QEK VES LEQ EAA NER QQ (which corresponds to residues #433-452 of the human sequence NP_000475.1); peptide #4 is EQK DRQ HTL KHF EHV RMV DPK K (residues #501-522); peptide #5 is EEI QDE VDE LLQ KEQ NYS DD (residues #556-575). It should be noted that these three peptide sequences are 100% identical with the mouse (P12023.3) and rat (P08592.1) gene products. 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 each of the three cognate peptides using agarose affinity matrices. The eluate concentrations were then adjusted to 300 µg/mL, mixed in equimolar concentrations (100 µg/mL is the final concentration of each antibody), 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 peptides (QHF QEK VES LEQ EAA NER AA {residues #433-452}, EQK DRQ HTL KHF EHV RMV DPK K {residues #501-522}, EEI QDE VDE LLQ KEQ NYS DD, residues #556-575)) 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 twelve months, provided they remain sterile. For longer term storage, aliquot and freeze to avoid freeze-thaw of the antibody.
Antibody Registry ID	AB_2797315
UniProt ID	P05067
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



Amyloid Precursor Protein (APP), Peptide 3, 4, 5



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