

Anti-Beta-Amyloid Peptide (N-terminus) Antibody

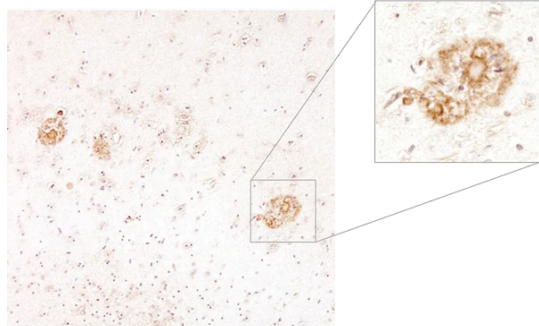


Product Details

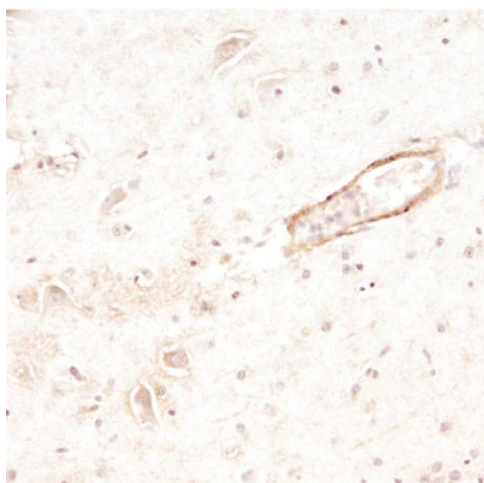
Available Variants	1000 µL (SKU:ABN)
Isotype	IgY
Gene Name	APP A4 AD1
Host Species	Chicken
Concentration	100 µg/mL
Format	Affinity-Purified IgY
Physical State	Liquid
Buffer	Phosphate-buffered (10 mM) isotonic (0.9%, w/v) saline ("PBS," pH 7.2) with sodium azide (0.02%, w/v) added as a preservative.
Production Notes	Chickens were immunized with a synthetic peptide (corresponding to DAE FRH DSG YEY HHQ KL, residues #1-17 of the amyloid beta-peptide) coupled to keyhole limpet hemocyanin (KLH). After repeated injections, immune eggs were collected, and the IgY fractions were purified from the yolks. These IgY fractions were then affinity-purified using a peptide column to which the same peptide was attached. Finally, the antibody concentration was adjusted to 100 µg/ml and filter-sterilized.
Applications	IHC
Dilution Ranges	IHC: 1:2000-1:5000 ICC: 1:2000-1:5000
Species Reactivity	Human, Mouse, Rat
Immunogen	Synthetic peptide (DAE FRH DSG YEY HHQ KL) contained within both the 40- and 42 amino acid versions of the human Beta-Amyloid peptide (Amyloid Precursor Protein residues #672-688).
Molecular Weight	N/A

Quality Control	Antibodies were analyzed by immunohistochemistry (at a concentration of 3 µg/mL) using fluorescein-labeled goat anti-chicken IgY (1:500 dilution, Aves Labs Cat.# F-1005) or HRP-labeled goat anti-chicken IgY (1:2000 dilution, Aves Labs, Cat.# H-1004) 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_2313536
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



Beta-Amyloid-positive "neuritic plaque" (shown in higher magnification) in cerebral cortex as seen in a post-mortum specimen taken from an Alzheimer's disease patient. Picture courtesy of Dr. Randy Woltjer, Oregon Health & Sciences University.



Immunohistochemistry of a capillary showing beta-amyloid peptide in the wall of the vessel. Paraffin-embedded section of a human brain from a patient with diagnosed Alzheimer's Disease. Primary antibody -- 1:500; secondary antibody -- 1:1000 HRP-Goat anti-chicken IgY (Aves Labs). Dr. Randy Woltjer, Dept Pathology, OHSU

Product Page URL: www.antibodiesinc.com/products/anti-beta-amyloid-peptide-n-terminus-antibody-abn



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