

anti-Human Amyloid Beta Antibody | anti-APP antibody

Anti-Amyloid Beta [21F12]

CATALOG # AAA72313	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot, ELISA, Immunoprecipitation
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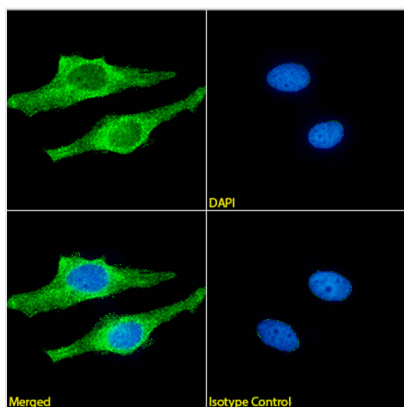
PRODUCT SYNONYMS

Amyloid Beta; Anti-Amyloid Beta [21F12]; Abeta; A-beta; Abeta42; Alzheimer disease amyloid protein; S-APP-beta; anti-APP antibody

PRODUCT SPECIFICATIONS

Reactivity	Human
Isotype	Rabbit IgG kappa
Clone Number	21F12
Specificity	This antibody recognizes amino acids 33-42 of amyloid beta.
Purity/Purification	Purified. Protein A affinity purified
Form/Format	PBS with 0.02% Proclin 300.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-APP antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA, IP (Immunoprecipitation)
Preparation and Storage	Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

IMAGES



IF (Immunofluorescence)

Immunofluorescence staining of HeLa cells with anti-Amyloid Beta 21F12

Immunofluorescence analysis of paraformaldehyde fixed HeLa cells stained with the chimeric rabbit IgG version of 21F12 (AAA72313) (1:1000 dilution) for 1h followed by Alexa Fluor 488 secondary antibody (1:1500 dilution), showing nuclear staining. The nuclear stain is DAPI (blue). Panels show from left-right, top-bottom AAA72313, DAPI, merged channels and an isotype control. The isotype control was anti-fluorescein antibody followed by staining with Alexa Fluor 488 secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-APP antibody	The original antibody was generated by immunizing A/J mice with a synthetic peptide (NH2-CYS-NH-CH2-(CH2)5-CO-GLMVGGVVIA-COOH) as an immunogen. Describes the generation of different amino acid forms of amyloid beta by different protease activities. This chimeric rabbit antibody was made using the variable domain sequences of the original Mouse IgG2b format, for improved compatibility with existing reagents, assays and techniques.
Product Categories/Family for anti-APP antibody	Alzheimer's disease; neuroscience
References	Citron et al. Proc Natl Acad Sci U S A. (1996); 93(23):13170-5.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502167
NCBI GeneID	351
NCBI Accession #	NP_000475.1
NCBI GenBank Nucleotide #	NM_000484.3
UniProt Accession #	P05067; P09000; P78438; Q13764; Q13778; Q13793; Q16011; B2R5V1; B4DII8; D3DSD1; D3DSD2; D3DSD3
NCBI Official Full Name	amyloid beta A4 protein isoform a
NCBI Official Synonym Full Names	amyloid beta (A4) precursor protein
NCBI Official Symbol	APP
NCBI Official Synonym Symbols	AAA; AD1; PN2; ABPP; APPI; CVAP; ABETA; PN-II; CTFgamma
NCBI Protein Information	amyloid beta A4 protein; preA4; protease nexin-II; peptidase nexin-II; beta-amyloid peptide; alzheimer disease amyloid protein; cerebral vascular amyloid peptide
UniProt Protein Name	Amyloid beta A4 protein
UniProt Gene Name	APP
UniProt Synonym Gene Names	A4; AD1; APP; CVAP; PN-II; S-APP-alpha; S-APP-beta; AICD-59; AID(59); AICD-57; AID(57); AICD-50; AID(50)
UniProt Entry Name	A4_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-antibody/amyloid-beta/72313>