

Amyloid-Beta Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP00433
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human APP. AA range:711-760
Mol wt	86943
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	WB, IHC-p, IF, ELISA
Concentration	1 mg/ml
Full name	Amyloid-beta Antibody
Synonyms	amyloid beta (A4) protein; ABETA; ABPP; APP; APPI; amyloid beta A4; beta amyloid; Amyloid-Beta; Amyloid Beta; AB

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

APP encodes a cell surface receptor and transmembrane precursor protein (amyloid beta precursor protein) that is cleaved by secretases to form a number of peptides. Some of these peptides are secreted and can bind to the acetyltransferase complex APBB1/TIP60 to promote transcriptional activation, while others form the protein basis of the amyloid plaques found in the brains of patients with Alzheimer disease. In addition, two of the peptides are antimicrobial peptides, having been shown to have bacteriocidal and antifungal activities. Mutations in this gene have been implicated in autosomal dominant Alzheimer disease and cerebroarterial amyloidosis (cerebral amyloid angiopathy). Multiple transcript variants encoding several different isoforms have been found for APP.

Recommended Dilution

WB: 1: 500 - 1: 2000

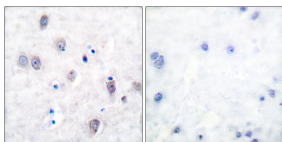
IHC: 1: 100 - 1: 300

IF: 1: 200 - 1: 1000

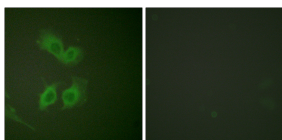
ELISA: 1: 40000

Not yet tested in other applications.

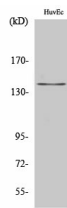
Images



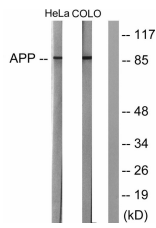
Immunohistochemistry analysis of paraffin-embedded human brain, using Amyloid beta A4 Antibody. The picture on the right is blocked with the synthesized peptide.



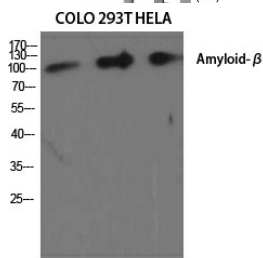
Immunofluorescence analysis of HeLa cells, using Amyloid beta A4 Antibody. The picture on the right is blocked with the synthesized peptide.



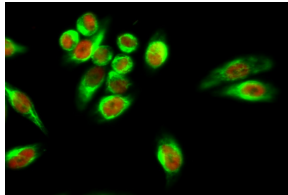
Western Blot analysis of HuvEc cells using Amyloid- β Polyclonal Antibody diluted at 1:2000



Western blot analysis of lysates from HeLa and COLO205 cells, using Amyloid beta A4 Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using Amyloid- β Polyclonal Antibody diluted at 1:2000



Immunofluorescence analysis of HeLa cell. 1, Amyloid- β Polyclonal Antibody (green) was diluted at 1:200 (4° overnight). (red) was diluted at 1:200 (4° overnight). 2, Goat Anti Rabbit Alexa Fluor 488 was diluted at 1:1000 (room temperature, 50min). Goat Anti Mouse Alexa Fluor 594 was diluted at 1:1000 (room temperature, 50min).

Storage

-20°C for one year

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