

beta Amyloid (1-42) Polyclonal Antibody

Product Details	
Size	25 µg
Species Reactivity	Human
Published Species	Non-human primate, Mouse, Human
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Synthetic peptide derived from amino acids 36-42 within the C-terminal region of human beta-Amyloid protein
Form	Liquid
Concentration	1 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS, pH 7.4
Contains	no preservative
Storage conditions	-20°C
RRID	AB_2533636

Applications	Tested Dilution	Publications
Western Blot (WB)	-	8 Publications
Immunohistochemistry (IHC)	Assay-dependent	20 Publications
Immunohistochemistry (Paraffin) (IHC (P))	-	3 Publications
Immunohistochemistry (PFA fixed) (IHC (PFA))	-	1 Publication
Immunohistochemistry (Frozen) (IHC (F))	-	3 Publications
Immunohistochemistry - Free Floating (IHC (Free))	-	3 Publications
Immunocytochemistry (ICC/IF)	-	2 Publications
ELISA (ELISA)	1 µg/mL	2 Publications
Immunoprecipitation (IP)	-	1 Publication
Functional Assay (FN)	Assay-dependent	-
Radioimmune Assays (RIA)	Assay-dependent	-
in situ PLA (PLA)	-	1 Publication
Dot blot (DB)	Assay-dependent	-
Immunomicroscopy (IM)	-	1 Publication
Miscellaneous PubMed (Misc)	-	1 Publication

Product Specific Information

Reacts with human Abeta42. No significant cross-reactivity to Abeta40 has been observed. Previous lots have shown no cross reactivity to Abeta43. Cross-reactivity against Abeta42 from mouse, rat, pig, cow, sheep, dog, rabbit, frog and polar bear

(100% homology) is expected but has not been tested. The antibody has been used in ELISA. Previous lots of this antibody have been used in dot blots, RIA, and other related assays.

46 References

Western Blot (8)

<p>Journal of Alzheimer's disease : JAD</p> <p>Oral Immunization with Soybean Storage Protein Containing Amyloid- 4-10 Prevents Spatial Learning Decline.</p> <p>"Published figure using beta Amyloid (1-42) polyclonal antibody (Product # 44-344) in Western Blot"</p> <p>Authors: Kawarabayashi T,Terakawa T,Takahashi A,Hasegawa H,Narita S,Sato K,Nakamura T,Seino Y,Hirohata M,Baba N,Ueda T,Harigaya Y,Kametani F,Maruyama N,Ishimoto M,St George-Hyslop P,Shoji M</p>	<p>Year</p> <p>2020</p>
<p>Molecular neurobiology</p> <p>Alleviation of Neuropathology by Inhibition of Monoacylglycerol Lipase in APP Transgenic Mice Lacking CB2 Receptors.</p> <p>"44-344 was used in Western Blotting to study molecular mechanisms underlying the beneficial effects produced by inhibition of 2-AG metabolism."</p> <p>Authors: Zhang J,Chen C</p>	<p>Year</p> <p>2018</p> <p>Species</p> <p>Mouse</p> <p>Dilution</p> <p>1:1,000</p>

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Immunohistochemistry (20)

<p>Journal of Alzheimer's disease : JAD</p> <p>Comparative Analysis of Cortical Microinfarcts and Microbleeds using 3.0-Tesla Postmortem Magnetic Resonance Images and Histopathology.</p> <p>"44-344 was used in Immunohistochemistry to delineate the histopathological background corresponding to MRI images of cortical microinfarctions and cerebral lobar microbleeds."</p> <p>Authors: Niwa A,li Y,Shindo A,Matsuo K,Ishikawa H,Taniguchi A,Takase S,Maeda M,Sakuma H,Akatsu H,Hashizume Y,Tomimoto H</p>	<p>Year</p> <p>2018</p> <p>Species</p> <p>Human</p>
<p>PloS one</p> <p>Perinatal Choline Supplementation Reduces Amyloidosis and Increases Choline Acetyltransferase Expression in the Hippocampus of the APPswePS1dE9 Alzheimer's Disease Model Mice.</p> <p>"44-344 was used in immunohistochemistry to assess the effects of choline using a mouse model of Alzheimer's disease"</p> <p>Authors: Mellott TJ,Huleatt OM,Shade BN,Pender SM,Liu YB,Slack BE,Blusztajn JK</p>	<p>Year</p> <p>2017</p> <p>Species</p> <p>Mouse</p> <p>Dilution</p> <p>1:2500</p>

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- IHC (P) (3)IHC (PFA) (1)IHC (F) (3)IHC (Free) (3)ICC/IF (2)ELISA (2)IP (1)PLA (1)IM (1)
- Misc (1)

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