

beta Amyloid Recombinant Rabbit Monoclonal Antibody (H31L21)

Product Details	
Size	100 µg
Species	Human, Mouse
Published Species	Rat, Mouse, Human
Expression System	Rabbit / IgG
Class	Recombinant Monoclonal
Type	Antibody
Clone	H31L21
Conjugate	Unconjugated
Immunogen	A peptide corresponding to amino acids 707-713 of P05067.
Form	Liquid
Concentration	0.5 mg/mL
Purification	Protein A
Storage buffer	PBS
Contains	0.09% sodium azide
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2532306

Applications	Tested Dilution	Publications
ELISA (ELISA)	0.1-0.2 µg/mL	3 Publications
Immunohistochemistry (Paraffin) (IHC (P))	1 µg/mL	1 Publication
Dot blot (DB)	-	3 Publications
Immunocytochemistry (ICC)	-	3 Publications
Immunofluorescence (IF)	-	7 Publications
Immunohistochemistry (Frozen) (IHC (F))	-	1 Publication
Immunohistochemistry (IHC)	-	9 Publications
Immunohistochemistry (PFA fixed) (IHC (PFA))	-	1 Publication
Immunohistochemistry - Free Floating (IHC (Free))	-	3 Publications
Western Blot (WB)	-	1 Publication

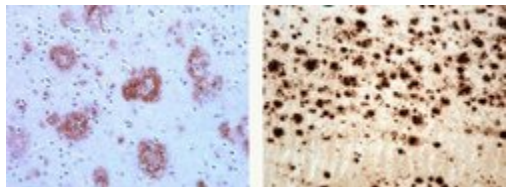
Product Specific Information

Cross reactivity to Abeta [1-40] is not observed in sandwich ELISA. In addition, in antigen ELISA cross-reactivity is not observed with Abeta [1-37], Abeta [1-38], Abeta [1-40], or Abeta [1-43] when used at low antibody concentrations (up to 30 ng/mL).

Recombinant rabbit monoclonal antibodies are produced using in vitro expression systems. The expression systems are developed by cloning in the specific antibody DNA sequences from immunoreactive rabbits. Then, individual clones are screened to select the best candidates for production. The advantages of using recombinant rabbit monoclonal antibodies include: better

specificity and sensitivity, lot-to-lot consistency, animal origin-free formulations, and broader immunoreactivity to diverse targets due to larger rabbit immune repertoire.

Product Images For beta Amyloid Recombinant Rabbit Monoclonal Antibody (H31L21)



beta Amyloid Antibody (700254) in IHC (P)

Immunohistochemistry analysis of beta-Amyloid in formalin-fixed, paraffin-embedded human brain (left) and transgenic mouse tissue that expresses FAD mutant APP and PS1 (right) using a beta-Amyloid monoclonal antibody (Product # 700254) at a dilution of 1 μ g/mL. Results show strong cytoplasmic staining in amyloid plaque.

Immunohistochemistry (9)

Nature neuroscience

TREM2 function impedes tau seeding in neuritic plaques.

"700254 was used in Immunohistochemistry to demonstrate a key role for triggering receptor expressed on myeloid cells 2 and microglia in limiting the development of peri-plaque tau pathologies."

Authors: Leyns CEG,Gratuze M,Narasimhan S,Jain N,Koscal LJ,Jiang H,Manis M,Colonna M,Lee VMY,Ulrich JD,Holtzman DM

Species
Mouse

Dilution
1:500

Year
2019

Scientific reports

Dual dose-dependent effects of fingolimod in a mouse model of Alzheimer's disease.

"700254 was used in Immunohistochemistry to study the effects of fingolimod, a structural analog of sphingosine, and suggests that, unlike the case in multiple sclerosis, fingolimod may potentially have therapeutic benefits in AD at low doses that do not affect peripheral lymphocyte function."

Authors: Carreras I,Aytan N,Choi JK,Tognoni CM,Kowall NW,Jenkins BG,Dedeoglu A

Species
Mouse

Dilution
1:1000

Year
2019

[View more IHC references on thermofisher.com](#)

Immunofluorescence (7)

PloS one

Chronic oral application of a periodontal pathogen results in brain inflammation, neurodegeneration and amyloid beta production in wild type mice.

"700254 was used in Immunohistochemistry-immunofluorescence to study whether repeated exposure of wild type C57BL/6 mice to orally administered porphyromonas gingivalis results in pathognomonic signs of Alzheimer's disease."

Authors: Ilievski V,Zuchowska PK,Green SJ,Toth PT,Ragozzino ME,Le K,Aljewari HW,O'Brien-Simpson NM,Reynolds EC,Watanabe K

Species
Mouse

Dilution
1:100

Year
2019

Neuron

Alzheimer's Disease-Associated -Amyloid Is Rapidly Seeded by Herpesviridae to Protect against Brain Infection.

"700254 was used in Immunohistochemistry-Immunofluorescence to study the effects of herpesvirus surface glycoproteins on Alzheimer's disease-associated -amyloid deposition."

Authors: Eimer WA,Vijaya Kumar DK,Navalpur Shanmugam NK,Rodriguez AS,Mitchell T,Washicosky KJ,György B,Breakefield XO,Tanzi RE,Moir RD

Species
Human

Dilution
Not Cited

Year
2018

[View more IF references on thermofisher.com](#)

More applications with references on thermofisher.com

DB (3) WB (1) ICC (3) ELISA (3) IHC (Free) (3) IHC (P) (1) IHC (PFA) (1) IHC (F) (1)

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