

beta Amyloid Recombinant Rabbit Monoclonal Antibody (H31L21)

Product Details	
Size	100 µg
Species Reactivity	Human, Mouse
Published Species	Rat, Mouse, Human
Host/Isotype	Rabbit / IgG
Expression system	Expi293
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

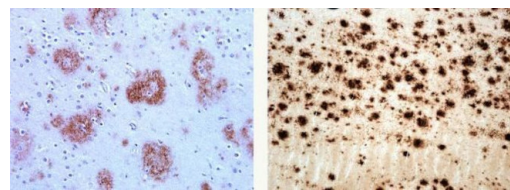
Applications	Tested Dilution	Publications
Western Blot (WB)	-	1 Publication
Immunohistochemistry (IHC)	-	12 Publications
Immunohistochemistry (Paraffin) (IHC (P))	1 µg/mL	2 Publications
Immunohistochemistry (Frozen) (IHC (F))	-	2 Publications
Immunohistochemistry - Free Floating (IHC (Free))	-	1 Publication
Immunocytochemistry (ICC/IF)	-	7 Publications
ELISA (ELISA)	0.1-0.2 µg/mL	2 Publications
Luminex (LUM)	-	1 Publication
Dot blot (DB)	-	3 Publications

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 µg/mL. Results show strong cytoplasmic staining in amyloid plaque.

Western Blot (1)

Aging Identification of key transcriptome biomarkers based on a vital gene module associated with pathological changes in Alzheimer's disease. "700254 was used in Western Blot to identify several key transcriptome biomarkers, which promoted the prediction and diagnosis of AD." Authors: Zhang T,Shen Y,Guo Y,Yao J	Year 2021 Species Mouse Dilution 1:1000
--	---

Immunohistochemistry (12)

Acta neuropathologica Neuronal spreading and plaque induction of intracellular A and its disruption of A homeostasis. "700254 was used in Immunocytochemistry, Immunohistochemistry to indicate an essential role for intracellular prion-like A and its synaptic spread in the pathogenesis of AD." Authors: Roos TT,Garcia MG,Martinsson I,Mabrouk R,Israelsson B,Deierborg T,Kobro-Flatmoen A,Tanila H,Gouras GK	Year 2021 Species Mouse Dilution 1:300
--	--

Journal of Alzheimer's disease : JAD Metabolic, Phenotypic, and Neuropathological Characterization of the Tg4-42 Mouse Model for Alzheimer's Disease. "700254 was used in Immunohistochemistry to provide a comprehensive characterization of the Tg4-42 mouse model which could lead to a deeper understanding of pathological features of AD." Authors: Hinteregger B,Loeffler T,Flunkert S,Neddens J,Bayer TA,Madl T,Hutter-Paier B	Year 2021 Species Mouse Dilution 1:1000
---	---

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

Immunohistochemistry (Paraffin) (2)

International journal of molecular sciences Extracellular Protein Aggregates Colocalization and Neuronal Dystrophy in Comorbid Alzheimer's and Creutzfeldt-Jakob Disease: A Micromorphological Pilot Study on 20 Brains. "700254 was used in Immunohistochemistry (Paraffin) to show that PrPSc aggregation could dominate during co-aggregation with non-compact A in the periphery of A plaques." Authors: Jankovska N,Olejar T,Matej R	Year 2021 Species Human Dilution 1:5000
--	---

More applications with references on thermofisher.com

- IHC (F) (2)
- IHC (Free) (1)
- ICC/IF (7)
- ELISA (2)
- LUM (1)
- DB (3)

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization. Products are warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Production documentation, specifications and/or accompanying package inserts ("Documentation"). No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample furnished to Buyer is merely illustrative of the general type and quality of goods and does not represent that any Product will conform to such model or sample. NO OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE GRANTED INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR NON INFRINGEMENT. BUYER'S EXCLUSIVE REMEDY FOR NON-CONFORMING PRODUCTS DURING THE WARRANTY PERIOD IS LIMITED TO REPAIR, REPLACEMENT OF OR REFUND FOR THE NON-CONFORMING PRODUCT(S) AT SELLER'S SOLE OPTION. THERE IS NO OBLIGATION TO REPAIR, REPLACE OR REFUND FOR PRODUCTS AS THE RESULT OF (I) ACCIDENT, DISASTER OR EVENT OF FORCE MAJEURE, (II) MISUSE, FAULT OR NEGLIGENCE OF OR BY BUYER, (III) USE OF THE PRODUCTS IN A MANNER FOR WHICH THEY WERE NOT DESIGNED, OR (IV) IMPROPER STORAGE AND HANDLING OF THE PRODUCTS. Unless otherwise expressly stated on the Product or in the documentation accompanying the Product, the Product is intended for research only and is not to be used for any other purpose, including without limitation, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses, or any type of consumption by or application to human or animals.