

# beta Amyloid (1-40) Polyclonal Antibody

Product Details	
Size	100 µg
Species Reactivity	Human
Published Species	Non-human primate, Mouse, Human
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	The antiserum was produced against a chemically synthesized peptide corresponding to amino acids 1-40 of human beta-Amyloid (A-beta).
Form	Liquid
Concentration	0.5 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	Dulbecco's PBS, pH 7.3
Contains	no preservative
Storage conditions	-20°C
RRID	AB_2533599

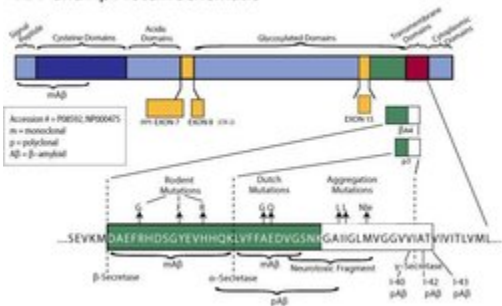
Applications	Tested Dilution	Publications
Western Blot (WB)	-	5 Publications
Immunohistochemistry (IHC)	Assay-dependent	8 Publications
Immunohistochemistry (Frozen) (IHC (F))	-	3 Publications
Immunohistochemistry - Free Floating (IHC (Free))	-	1 Publication
ELISA (ELISA)	1 µg/mL	1 Publication
Immunoprecipitation (IP)	-	1 Publication
Radioimmune Assays (RIA)	Assay-dependent	-
Dot blot (DB)	Assay-dependent	-

## Product Specific Information

No significant cross-reactivity to beta-Amyloid 42 has been observed. Previous lots of this antibody recognized the sequence of beta-Amyloid [1-40] in the region from amino acids 15-30. No blocking activity was observed with beta-Amyloid [1-12] whereas the peptides beta-Amyloid [14-35], beta-Amyloid [15-28], beta-Amyloid [17-30] and Beta-Amyloid [1-40] were all able to block antibody activity.

Product Images For beta Amyloid (1-40) Polyclonal Antibody

APP and Aβ Protein Schematic



**beta Amyloid (1-40) Antibody (44-136)**  
 Amyloid Beta (Abeta) (N-terminal) Polyclonal Antibody, Rabbit

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## 19 References

### Western Blot (5)

European journal of biochemistry

#### Efficient inhibition of beta-secretase gene expression in HEK293 cells by tRNAVal-driven and CTE-helicase associated hammerhead ribozymes.

Authors: Nawrot B,Antoszczyk S,Maszewska M,Kuwabara T,Warashina M,Taira K,Stec WJ

**Species**  
Human

**Dilution**  
Not Cited

**Year**  
2003

The Journal of biological chemistry

#### Histamine induces Egr-1 expression in human aortic endothelial cells via the H1 receptor-mediated protein kinase Cdelta-dependent ERK activation pathway.

Authors: Hao F,Tan M,Xu X,Cui MZ

**Species**  
Human

**Dilution**  
Not Cited

**Year**  
2008

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

### Immunohistochemistry (8)

Antioxidants (Basel, Switzerland)

#### Centella Asiatica Improves Memory and Promotes Antioxidative Signaling in 5XFAD Mice.

"44-136 was used in Immunohistochemistry to study the effect of Centella asiatica water extract treatment on oxidative stress in Alzheimer's disease model mice."

Authors: Matthews DG,Caruso M,Murchison CF,Zhu JY,Wright KM,Harris CJ,Gray NE,Quinn JF,Soumyanath A

**Species**  
Mouse

**Dilution**  
1:1,000

**Year**  
2019

International journal of molecular sciences

#### Low-Dose Phosphodiesterase III Inhibitor Reduces the Vascular Amyloid Burden in Amyloid- Protein Precursor Transgenic Mice.

"44-136 was used in Immunohistochemistry to investigate whether lower-dose cilostazol can decrease micro-hemorrhages and amyloid- (A) deposition in the brain using A Precursor Protein (APP) transgenic mice."

Authors: Yakushiji Y,Kawamoto K,Uchihashi K,Ihara M,Aoki S,Nagaishi Y,Suzuyama K,Tsugitomi Y,Hara H

**Species**  
Mouse

**Dilution**  
Not Cited

**Year**  
2020

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

### More applications with references on thermofisher.com

IHC (F) (3)

IHC (Free) (1)

ELISA (1)

IP (1)

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