

beta Amyloid Polyclonal Antibody

Product Details	
Size	100 µg
Species Reactivity	Human, Mouse
Published Species	Ferret, Mouse, Human
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Synthetic peptide derived from the C-terminal region of the human and mouse amyloid-beta precursor protein (APP695)
Form	Liquid
Concentration	0.25 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS, pH 7.4
Contains	0.1% sodium azide
Storage conditions	-20°C
RRID	AB_2533275

Applications	Tested Dilution	Publications
Western Blot (WB)	1-2 µg/mL	13 Publications
Immunohistochemistry (IHC)	Assay-dependent	7 Publications
Immunohistochemistry (Frozen) (IHC (F))	-	1 Publication
Immunohistochemistry - Free Floating (IHC (Free))	-	1 Publication
Immunocytochemistry (ICC/IF)	2 µg/mL	2 Publications
ELISA (ELISA)	-	1 Publication
Immunoprecipitation (IP)	Assay-dependent	3 Publications

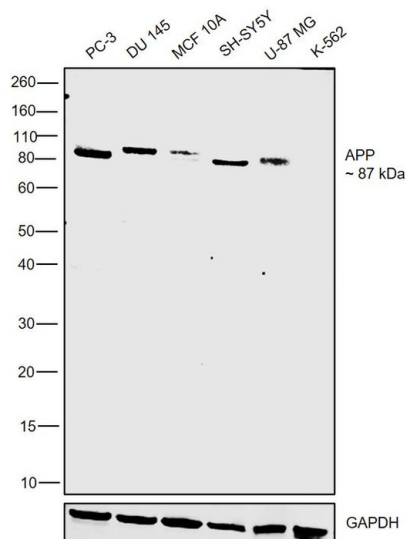
Product Specific Information

For immunohistochemistry in formalin-fixed, paraffin-embedded tissues, digestion with trypsin prior to staining is required.

Product Images For beta Amyloid Polyclonal Antibody

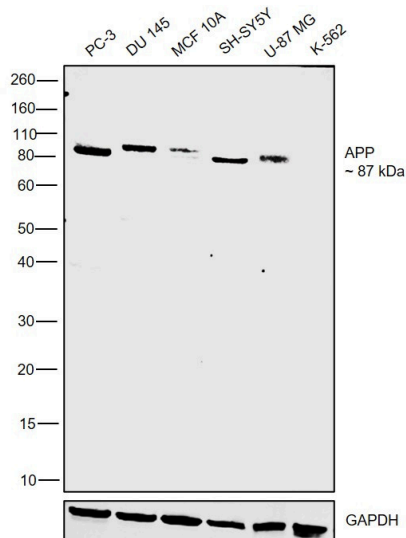
beta Amyloid Antibody (36-6900) in WB

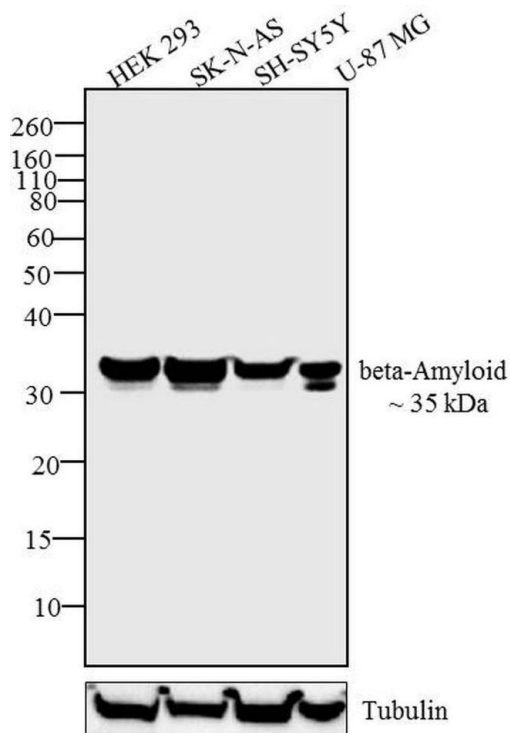
Western blot was performed using Anti-beta Amyloid Polyclonal Antibody (Product # 36-6900) and a 87 kDa band corresponding to beta Amyloid was observed across the cell lines tested except K-562. Whole cell extracts (30 µg lysate) of PC-3 (Lane 1), DU 145 (Lane 2), MCF 10A (Lane 3), SH-SY5Y (Lane 4), U-87 MG (Lane 5) and K-562 (Lane 6) were electrophoresed using NuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP0321BOX). Resolved proteins were then transferred onto a nitrocellulose membrane (Product # IB24001) by iBlot® 2 Dry Blotting System (Product # IB23001). The blot was probed with the primary antibody (at a concentration of 1 µg/mL) and detected by chemiluminescence with Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A27036,1:4000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005).



beta Amyloid Antibody (36-6900)

Antibody specificity was demonstrated by the detection of differential basal expression of the target across the cell lines tested owing to their inherent genetic constitution. Relative expression of beta Amyloid precursor protein was observed in PC-3, DU 145, MCF 10A, SH-SY5Y and U-87 MG cells in comparison to K-562 using Anti-beta Amyloid Polyclonal Antibody (Product # 36-6900) in Western Blot. {RE}





beta Amyloid Antibody (36-6900) in WB

Western blot analysis was performed on membrane enriched extract (30 µg) of HEK 293 (Lane 1), SK-N-AS (Lane 2), SH-SY5Y (Lane 3) and U-87 MG (Lane 4). The blots were probed with Anti-beta-Amyloid Rabbit Polyclonal Antibody (Product # 36-6900, 2 µg/mL) and detected by chemiluminescence using Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Secondary Antibody, HRP conjugate (Product # A27036, 0.4 µg/mL 1:2500 dilution). A ~ 35 kDa band corresponding to beta-Amyloid was observed across cell lines tested. Known quantity of protein samples were electrophoresed using Novex® NuPAGE®12 % Bis-Tris gel (Product # NP0342BOX), XCell SureLock™ Electrophoresis System (Product # EI0002) and Novex® Sharp Pre-Stained Protein Standard (Product # LC5800). Resolved proteins were then transferred onto a nitrocellulose membrane with Pierce™ Power Blotter System (22834). The membrane was probed with the relevant primary and secondary Antibody using iBind™ Flex Western Starter Kit (Product # SLF2000S). Chemiluminescent detection was performed using Pierce™ ECL Western Blotting Substrate (Product # 32106).

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Western Blot (13)

Frontiers in immunology	Year 2020
Autoimmune-Mediated Retinopathy in CXCR5-Deficient Mice as the Result of Age-Related Macular Degeneration Associated Proteins Accumulation.	Species Mouse
"36-6900 was used in Immunohistochemistry to show that with age, CXCR5 mice develop retinal degeneration characterised by microglia dysfunction, increased production of CXCL13 in the RPE progressive photoreceptor and neuronal loss."	Dilution 1:100
Authors: Lennikov A,Saddala MS,Mukwaya A,Tang S,Huang H	
Biological procedures online	Year 2020
A Cautionary Tale: Endogenous Biotinylated Proteins and Exogenously-Introduced Protein A Cause Antibody-Independent Artefacts in Western Blot Studies of Brain-Derived Proteins.	Species Mouse
"36-6900 was used in Western Blotting to study two examples of antibody-independent artefacts that have confounded the interpretation of results in the search for molecular entities associated with memory loss in Alzheimer's disease."	
Authors: Grant MKO,Shapiro SL,Ashe KH,Liu P,Zahs KR	

View more WB references on thermofisher.cn

Immunohistochemistry (7)

Brain : a journal of neurology	Year 2022
Activation of Wnt/-catenin pathway mitigates blood-brain barrier dysfunction in Alzheimer's disease.	Species Mouse
"36-6900 was used in Immunohistochemistry-immunofluorescence to show dysfunctional blood-brain barrier in patients with Alzheimer's disease reflected by perivascular accumulation of blood-derived fibrinogen in the hippocampus and cortex, accompanied by decreased tight junction proteins Claudin-5 and glucose transporter Glut-1 in the brain endothelial cells."	Dilution 1:200
Authors: Wang Q,Huang X,Su Y,Yin G,Wang S,Yu B,Li H,Qi J,Chen H,Zeng W,Zhang K,Verkhatsky A,Niu J,Yi C	
Frontiers in immunology	Year 2020
Autoimmune-Mediated Retinopathy in CXCR5-Deficient Mice as the Result of Age-Related Macular Degeneration Associated Proteins Accumulation.	Species Mouse
"36-6900 was used in Immunohistochemistry to show that with age, CXCR5 mice develop retinal degeneration characterised by microglia dysfunction, increased production of CXCL13 in the RPE progressive photoreceptor and neuronal loss."	Dilution 1:100
Authors: Lennikov A,Saddala MS,Mukwaya A,Tang S,Huang H	

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More applications with references on thermofisher.cn

- IHC (F) (1)
- IHC (Free) (1)
- ICC/IF (2)
- ELISA (1)
- IP (3)

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