Rabbit Anti-Beta Amyloid

(100 μg/vial, Lyophilized)

Catalog Number: BPAB409

FOR RESEARCH USE ONLY

Product Name	Anti-beta Amyloid/APP Antibody
Reactive Species	Human, Mouse, Rat
Description	Rabbit IgG polyclonal antibody for Amyloid beta A4 protein(APP) detection. Tested with WB, IHC-P, IHC-F, ICC/IF, FCM in Human;Mouse;Rat.
Application	Flow Cytometry, IF, IHC-P, IHC-F, ICC, WB
Clonality	Polyclonal
Formulation	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Storage Instructions	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	P05067

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human APP, different from the related mouse and rat sequences by three amino acids.
Predicted Reactive Species	Bovine, Horse, Monkey, Rabbit
Cross Reactivity	No cross reactivity with other proteins
Form	Lyophilized
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.1-0.5μg/ml, Human, Mouse, Rat Immunohistochemistry (Paraffin-embedded Section), 0.5-1μg/ml, Mouse, Rat, Human Immunohistochemistry (Frozen Section), 0.5-1μg/ml, Human Immunocytochemistry/Immunofluorescence, 2μg/ml, Human Flow Cytometry, 1-3μg/1x10^6 cells, Human

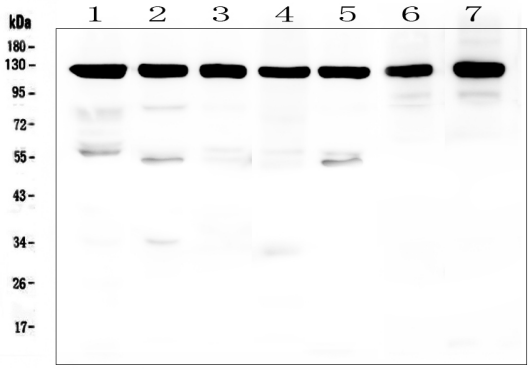

Figure 1. Western blot analysis of APP using anti-APP antibody.
The sample well of each lane was loaded with 50ug of sample under reducing conditions.

Lane 1: human Hela whole cell lysates,
Lane 2: human U-87MG whole cell lysates,
Lane 3: human T-47D whole cell lysates,
Lane 4: human A549 whole cell lysates,
Lane 5: human U2OS whole cell lysates,
Lane 6: rat brain tissue lysates,
Lane 7: mouse brain tissue lysates.

Using rabbit anti-APP antigen affinity purified polyclonal antibody at 0.5 μg/mL overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT.

The signal is developed Enhanced Chemiluminescent detection (ECL) kit. A specific band was detected for APP at approximately 120KD. The expected band size for APP is at 87KD.

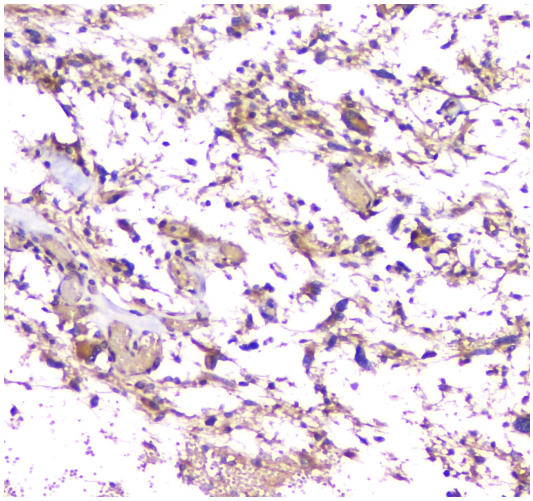

Figure 2. IHC analysis of APP using anti-APP antibody.
APP was detected in paraffin-embedded section of human glioma tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins.

The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1µg/ml rabbit anti-APP Antibody overnight at 4°C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using Strepavidin-Biotin-Complex with DAB as the chromogen.

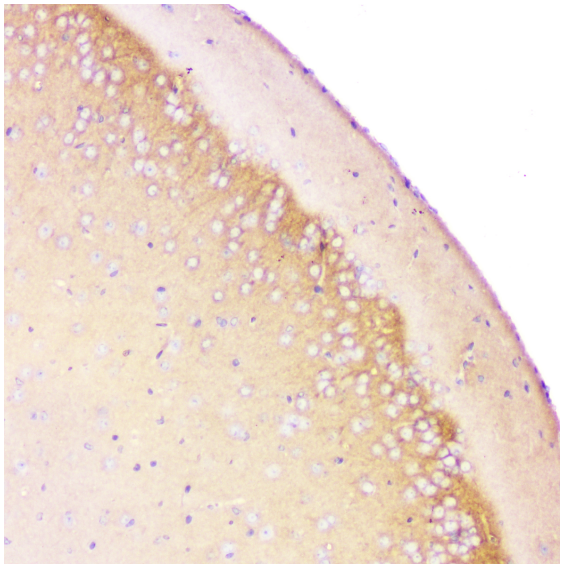

Figure 3. IHC analysis of APP using anti-APP antibody.
APP was detected in paraffin-embedded section of mouse brain tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins.

The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1µg/ml rabbit anti-APP Antibody overnight at 4°C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using Strepavidin-Biotin-Complex with DAB as the chromogen.

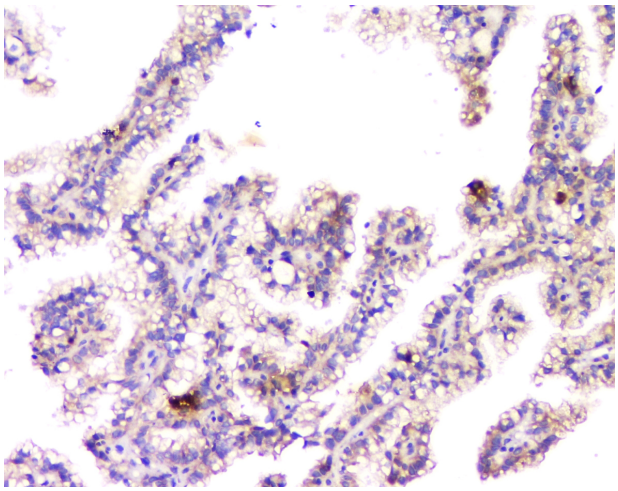

Figure 4. IHC analysis of APP using anti-APP antibody.
APP was detected in paraffin-embedded section of human renal cancer tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. T

he tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1µg/ml rabbit anti-APP Antibody overnight at 4°C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using Strepavidin-Biotin-Complex with DAB as the chromogen.

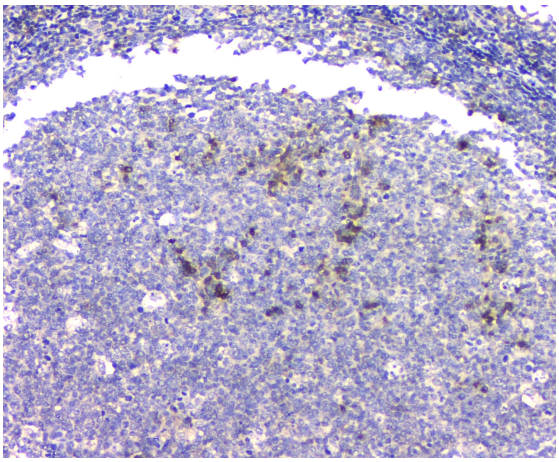

Figure 5. IHC analysis of APP using anti-APP antibody.
APP was detected in paraffin-embedded section of human tonsil tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins.

The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1µg/ml rabbit anti-APP Antibody overnight at 4°C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using Strepavidin-Biotin-Complex with DAB as the chromogen.

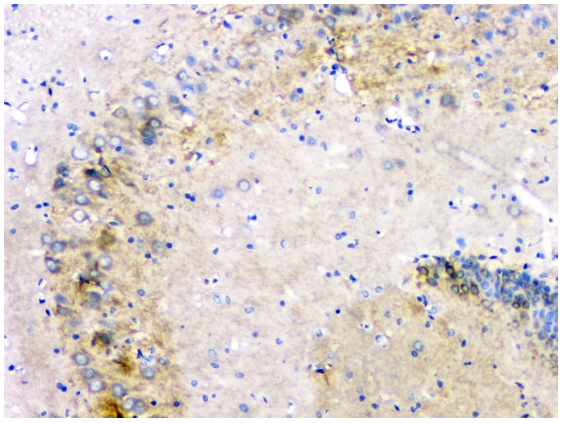

Figure 6. IHC analysis of APP using anti-APP antibody.
APP was detected in paraffin-embedded section of rat brain tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins.

The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1µg/ml rabbit anti-APP Antibody overnight at 4°C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using Strepavidin-Biotin-Complex with DAB as the chromogen.

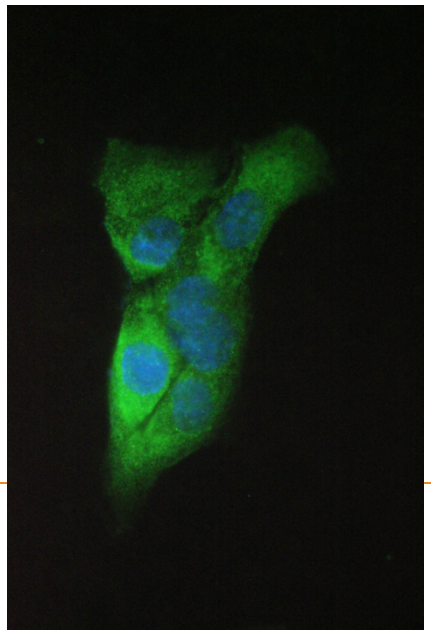

Figure 7. IF analysis of APP using anti-APP antibody.
APP was detected in immunocytochemical section of A431 cell. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent for 15 mins.

The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2µg/mL rabbit anti-APP Antibody overnight at 4°C. DyLight488 Conjugated Goat Anti-Rabbit IgG was used as secondary antibody at 1:100 dilution and incubated for 30 minutes at 37°C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.