Anti-Human Amyloid Beta Polyclonal Antibody

CL2802

DESCRIPTION:
Cedarlane’s anti-human amyloid beta polyclonal antibody specifically binds the N-terminal region (a.a. residues 1-8) of the Amyloid beta peptide. The N-terminal fragments of Amyloid beta are major constituents in senile plaques of Alzheimer’s disease brains. Amyloid beta is derived from cleavage of the Amyloid precursor protein by gamma-secretase and varies in length from 39 to 43 amino acids. Amyloid beta antibodies and peptides may be used as tools for elucidating the biology of Alzheimer’s disease, including for the immunohistochemical detection of senile plaques in brain sections of Alzheimer’s disease (AD) patients.

PRESENTATION:
200 µl of antiserum (Sodium azide free).

STORAGE/STABILITY:
Store short term at 4°C. For long term storage, aliquot and freeze unused portion at -20°C in volumes appropriate for single usage. Avoid freeze/thaw cycles.

APPLICATION:
This antibody is suitable for use in ELISA and Immunohistochemistry.
Immunohistochemistry: Tissue Sections: (alcohol-fixed, paraffin embedded, frozen). Recommended dilution of 1:200. Tissue pretreatment with citrate buffer pH 6.0 (microwave boiling) followed by 3 min incubation with 88% formic acid at RT.
ELISA: 1:1000 – 1:10000

SPECIFICATIONS:
Immunization: Rabbit polyclonal antibody raised against synthetic peptide corresponding to amino acid residues 1-8 from N-terminus of human Amyloid beta protein conjugated to KLH.

Specificity: This antibody is specific for human, mouse. Based on amino acid sequence homology, reactivity with most vertebrates including dog, pig, and chicken is expected.

IgG Class: Rabbit IgG

Continued Overleaf......
TEST RESULTS:

IHC staining of brain tissue section:

Immunolabelling of senile plaques in cortex from 17 month-old triple-transgenic AD mouse. Antibody dilution 1:200.

N.B. Appropriate control samples should always be included in any labeling studies.

* For optimal results in various applications, it is recommended that each investigator determine dilutions appropriate for individual use.

REFERENCES:


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