

APP Antibody (CT)

ALTERNATE NAMES: amyloid-b-peptide, amyloid beta peptide, Amyloid beta A4 protein, Alzheimer disease amyloid protein, ABPP, APPI, Cerebral vascular amyloid peptide,

CATALOG #: 5045-100

AMOUNT: 100 µg

HOST: Rabbit

ISOTYPE: IgG1

IMMUNOGEN: A peptide corresponding to the amino acids 737 to 751 of APP or 85 to 99 of the C99 fragment generated by b-secretase cleavage.

PURIFICATION: Affinity chromatography purified via peptide column.

FORMULATION: 100 µg (1 mg/ml) in 1X PBS containing 0.02% sodium azide.

SPECIES REACTIVITY: Human, mouse, rat

STORAGE CONDITIONS: Can be stored at 4°C for a year. For long term storage, store at -20°C. Avoid freeze/thaw cycles.

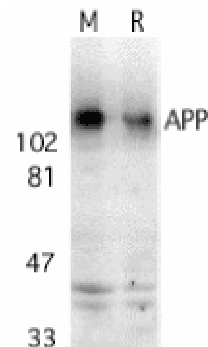
DESCRIPTION:

Accumulation of the amyloid-beta peptide (Aβ) in the cerebral cortex is a critical event in the pathogenesis of Alzheimer's disease. The beta-amyloid protein precursor (APP) is cleaved by beta-secretase, producing a soluble derivative of the protein and a membrane anchored 99-amino acid carboxy-terminal fragment (C99). The C99 fragment serves as substrate for gamma-secretase to generate the 4 kDa amyloid-beta peptide (Aβ), which is deposited in the brains of all sufferers of Alzheimer's disease.

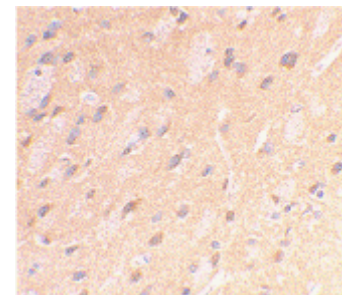
SPECIFICITY: Recognizes the APP (CT) peptide.

APPLICATION: Immunohistochemistry: 2 µg/ml; Western Blot: 1 – 2 µg/ml; ELISA

Note: *This information is only intended as a guide. The optimal dilutions must be determined by the user*



Western blot analysis of APP in mouse (M) and rat (R) brain tissue lysates with APP antibody at 2 µg/ml.



Immunohistochemical staining of rat brain using APP antibody at 2 µg/ml.

RELATED PRODUCTS:

- Anti-Human Amyloid Beta 1-17 Antibody (Cat. No. 5006-100)
- Anti-Human Amyloid Beta 18-29 Antibody (Cat. No. 5007-100)
- ABAD/HADH2 Antibody (Cat. No. 3246-100)
- APP Antibody (Cat. No. 6001-100)
- ERAB/HCD2 Antibody (Cat. No. 3255-100)
- SAA1 monkey, recombinant (Cat. No. 4332-10, 1000)
- APP Antibody (NT) (Cat. No. 5044-100)
- BACE Antibody (CT) (Cat. No. 5051-100)
- BACE 2 Antibody (CT) (Cat. No. 5047-100)
- BACE 2 Antibody (NT) (Cat. No. 5046-100)

FOR RESEARCH USE ONLY! Not to be used on humans.