

APP Polyclonal Antibody

CATALOG #: 6001-100

AMOUNT: 100 µg

LOT #: _____

HOST: Rabbit

BACKGROUND:

Accumulation of the amyloid- β peptide ($A\beta$) in the cerebral cortex is a critical event in the pathogenesis of Alzheimer's disease. The β -amyloid protein precursor (APP) is cleaved by β -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 γ -secretase to generate the 4 kDa amyloid- β peptide, which is deposited in the brains of all sufferers of Alzheimer's disease.

SOURCE:

Rabbit anti-APP polyclonal antibody was raised against a peptide corresponding to amino acids 737-751 of human amyloid A4 protein precursor (APP) or 85 to 99 of the C99 fragment generated by β -secretase cleavage. The peptide sequences are identical to those of monkey, mouse, rat, chicken, and a variety of other species.

SPECIES REACTIVITY: Human, mouse, rat, monkey, chicken

FORMULATION:

100 µg (0.5 mg/ml) immunoaffinity purified rabbit anti-APP polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 50% glycerol, 1% BSA, 0.02% thimerosal.

STORAGE CONDITIONS:

Store at -20°C . For long-term storage, aliquot and refreeze at -70°C . Avoid repeated freeze/thaw cycles.

APPLICATION AND USAGE:

The antibody can be used in Western blot analysis (1-4 µg/ml) and immunohistochemistry (2-10 µg/ml). However, the optimal conditions should be determined individually. Murine and rat brain tissues can be used as positive controls.

RELATED PRODUCTS:

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- Annexin V Kits & Bulk Reagents
- Caspase Assay Kits & Reagents
- Mitochondrial Apoptosis Kits & Reagents
- Nuclear Apoptosis Kits & Reagents
- Apoptosis Inducers and Set
- Apoptosis siRNA Vectors

Cell Fractionation System

- Mitochondria/Cytosol Fractionation Kit
- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
- Cytosol/Particulate Rapid Separation Kit
- Mammalian Cell Extraction Kit
- FractionPREP Fractionation System

Cell Proliferation & Senescence

- Quick Cell Proliferation Assay Kit
- Senescence Detection Kit
- High Throughput Apoptosis/Cell Viability Assay Kits
- LDH-Cytotoxicity Assay Kit
- Bioluminescence Cytotoxicity Assay Kit
- Live/Dead Cell Staining Kit

Cell Damage & Repair

- HDAC Fluorometric & Colorimetric Assays & Drug Discovery Kits
- HAT Colorimetric Assay Kit & Reagents
- DNA Damage Quantification Kit
- Glutathione & Nitric Oxide Fluorometric & Colorimetric Assay Kits

Signal Transduction

- cAMP & cGMP Assay Kits
- Akt & JNK Activity Assay Kits
- Beta-Secretase Activity Assay Kit

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- CETP Activity Assay & Drug Discovery Kits
- PLTP Activity Assay & Drug Discovery Kits
- Total Cholesterol Quantification Kit

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- Cloning Insert Quick Screening Kit
- Mitochondrial & Genomic DNA Isolation Kits
- 5 Minutes DNA Ligation Kit
- 20 Minutes Gel Staining/Destaining Kit
- β -Galactosidase Staining Kit & Luciferase Reporter Assay Kit

Growth Factors and Cytokines

Monoclonal and Polyclonal Antibodies