

Datasheet for ABIN6990299 **anti-APP antibody (N-Term)**

[Go to Product page](#)

Overview

Quantity:	0.1 mg
Target:	APP
Binding Specificity:	AA 650-700, N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This APP antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	APP antibody was raised against a peptide corresponding to 10 amino acids of human amyloid A4 protein precursor (APP) corresponding to the amino terminus of the 4K Ab peptide generated by beta- and gamma-secretases. The immunogen is located within amino acids 650 - 700 of APP.
Isotype:	IgG
Purification:	APP Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	APP
Alternative Name:	APP (APP Products)
Background:	APP Antibody: Accumulation of the amyloid-beta peptide (Abeta) in the cerebral cortex is a

Target Details

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 (Abeta), which is deposited in the brains of all suffers of Alzheimer's disease.

Molecular Weight: Predicted: 83 kDa
Observed: 115 kDa

Gene ID: 351

UniProt: [P05067](#)

Pathways: [Caspase Cascade in Apoptosis](#), [EGFR Signaling Pathway](#), [Transition Metal Ion Homeostasis](#), [Skeletal Muscle Fiber Development](#), [Toll-Like Receptors Cascades](#), [Feeding Behaviour](#)

Application Details

Application Notes: APP antibody can be used for detection of APP and Ab peptide by Western blot at 1 µg/mL. Antibody can also be used for immunohistochemistry starting at 2.5 µg/mL.

Antibody validated: Western Blot in human, mouse, and rat samples, Immunohistochemistry in human samples and Immunofluorescence in rat samples. All other applications and species not yet tested.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: APP Antibody is supplied in PBS containing 0.02 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, 4 °C

Storage Comment: APP antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As

with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.