

Anti-Amyloid Precursor Protein Antibody

Product Data Sheet · P/N 74082 Rev 01 · Reissued 2026-09-19 (layout only)

Product code	Pack size
P40000-100	100 µL
Host Species	Rabbit (Polyclonal)
Mr (kDa)	115

Description

A large body of evidence has implicated the amyloid precursor protein (APP) in the pathogenesis of Alzheimer's disease (AD) (Kamenetz et al., 2003). The phosphorylation of APP at Thr668 is thought to play a critical role in generation of the soluble APP (beta) and beta- amyloid peptide (abeta) which are the major components of senile plaques in patient brains inflicted with AD (Liu et al., 2003; Ando et al., 2001).

Immunogen

Peptide corresponding to amino acid residues from the C-terminal region of rat APP.

Immunolabeling of the APP protein band is completely blocked by preadsorption of the antibody with the peptide used as antigen.

Species Reactivity

The antibody has been directly tested for reactivity in rat tissue. It is anticipated that the antibody will also work with canine, chicken, human, mouse and non-human primate tissues based on the fact that these species have 100% homology with the amino acid sequence used as antigen.

Physical State

Liquid; Buffer contents: 10 mM HEPES (pH 7.5), 150 mM NaCl, 100 µg per mL BSA and 50% glycerol

Purification Method

Prepared from rabbit serum by affinity purification on a column made with the C-terminal peptide used as antigen.

Recommended Antibody Dilutions

WB: 1:1000

Storage/Stability

Stable at -20 °C for at least 1 year.

For long term storage -20 °C is recommended

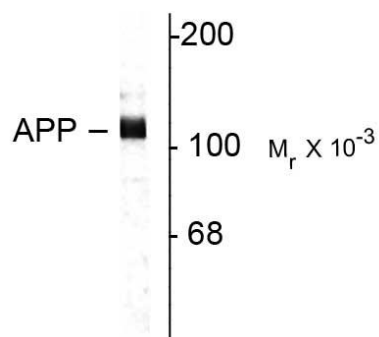
Shipping Conditions

Domestic: Blue Ice

International: Blue Ice or Dry Ice

References

- 1) Ando K et al. (2001) J Biol Chem 276:40353-40361.
- 2) Kamenetz F et al. (2003) Neuron 37:925-937.
- 3) Liu F et al. (2003) FEBS Lett 547:193-196.



Western Blot Rat hippocampal lysate showing specific immunolabeling of the ~115k APP protein.

For research use or further manufacturing only. Not for use in diagnostic procedures, or for human or animal consumption.