



## GOAT ANTI-AMYLOID PRECURSOR PROTEIN (APP) POLYCLONAL ANTIBODY

**CATALOG NUMBER:** AB1593

**LOT NUMBER:**

**QUANTITY:** 100 µL

**SPECIFICITY:** Recognizes amyloid precursor protein (APP). In Alzheimer's disease, this protein is broken down and releases the 12 amino acid  $\beta$ -amyloid protein that is found in senile plaques and vessels.

The amyloid precursor protein is the subject of intensive investigations to determine how this protein is broken down abnormally in Alzheimer's disease to give rise to the  $\beta$ -amyloid protein which is present in senile plaques and vessels. This antiserum has been shown to be immunoreactive to the immunizing peptide by ELISA. The antiserum will immunolabel dystrophic neurites in senile plaques in both formalin-fixed paraffin sections and paraformaldehyde fixed frozen sections from Alzheimer's brain.

This antiserum should be a valuable tool for scientist and neuropathologists who study the role of amyloid in Alzheimers's disease.

**IMMUNOGEN:** Peptide to the N-terminal region (amino acids 44-63) of the APP protein.

**APPLICATIONS:** Immunoblotting: 1:1,000  
Immunohistochemistry  
Formalin fixed paraffin embedded tissue: 1:50-1:100  
4% paraformaldehyde fixed frozen sections: 1:2,500-1:5,000  
ELISA: 1:1,500 against immunogen peptide  
Optimal working dilutions must be determined by end user.

**FORMAT:** Goat antiserum.

**PRESENTATION:** Liquid with 0.01% Thimerosal.

**STORAGE/HANDLING:** Store at -20°C in undiluted aliquots for up to 12 months. Avoid repeated freeze/thaw cycles.

**RELATED REFERENCE:** *Biochem. Biophys. Res. Comm.* (1988) **156**:432-437.

**Important Note:** During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 µl or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.

FOR RESEARCH USE ONLY; NOT FOR USE IN DIAGNOSTIC  
PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION

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