

## Polyclonal Antibody to Amyloid beta A4 protein / APP - Purified

<b>Alternate names:</b>	ABPP, APPI, Alzheimer disease amyloid protein, Amyloid Precursor Protein, CVAP, Cerebral vascular amyloid peptide, PreA4, Protease nexin-II
<b>Catalog No.:</b>	AP15347PU-S
<b>Quantity:</b>	0.1 ml
<b>Background:</b>	Amyloid beta precursor protein gene (ABPP) encodes a cell surface receptor and transmembrane precursor protein that is cleaved by secretases to form a number of peptides. Multiple transcript variants encoding several different isoforms have been found for this gene. Isoform APP695 is the predominant form in neuronal tissue, isoform APP751 and isoform APP770 are widely expressed in nonneuronal cells. Isoform APP751 is the most abundant form in T lymphocytes. ABPP is expressed in all fetal tissues examined with the highest levels in brain, kidney, heart and spleen with weak expression observed in liver; ABPP is induced during neuronal differentiation. In the adult brain, highest expression of ABPP gene is found in the frontal lobe of the cortex and in the anterior perisylvian cortex opercular gyri; moderate expression in the cerebellar cortex, the posterior perisylvian cortex opercular gyri and the temporal associated cortex. Weak expression is found in the striate, extra striate and motor cortices. Mutations in ABPP have been implicated in autosomal dominant Alzheimer disease and cerebroarterial amyloidosis (cerebral amyloid angiopathy).
<b>Uniprot ID:</b>	<a href="#">P05067</a>
<b>NCBI:</b>	<a href="#">9606</a>
<b>GeneID:</b>	<a href="#">351</a>
<b>Host:</b>	Rabbit
<b>Immunogen:</b>	A synthetic peptide corresponding to N-terminal of human APP
<b>Format:</b>	<b>State:</b> Liquid purified Ig fraction <b>Buffer System:</b> 10mM PBS, pH 7.4 containing 1% BSA as stabilizer and 0,09% Sodium Azide as preservative
<b>Applications:</b>	Western blot: 1.0µg/ml for 2hours. Immunohistochemistry on paraffin sections: 1/100 for 10 min at RT; Staining of formalin-fixed tissues requires boiling tissue sections in 10mM citrate buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min. <i>Positive Control:</i> Brain Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This antibody recognizes APP (b-APP770), MW 110kDa. Predicted to recognize beta-APP695 and beta-APP751. Amyloid precursor protein (APP) and APP-like proteins are

transmembrane glycoproteins with a similar modular domain structure.

**Species Reactivity:** Tested: Human.

**Expected from sequence similarity:** Mouse and Rat.

**Storage:** Store the antibody undiluted at 2-8°C.

**DO NOT FREEZE!**

Shelf life: one year from despatch.

**Pictures:** Human Alzheimer's brain stained with anti-APP antibody

