

Product datasheet for **AP20923PU-N**

Amyloid Precursor Protein (APP) pThr668 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC
Recommended Dilution:	Immunohistochemistry on paraffin sections 1/50 - 1/200.
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic phosphopeptide derived from human APP/ β -Amyloid around the phosphorylation site of Threonine 668.
Specificity:	This antibody detects endogenous levels of p-beta Amyloid A4 protein only when phosphorylated at Thr668 (a position corresponding to the APP695 isoform).
Formulation:	Phosphate buffered saline (PBS), pH 7.2. State: Aff - Purified State: Liquid purified Ig fraction Preservative: 0.05% Sodium Azide
Concentration:	1.0 mg/ml
Purification:	Affinity Chromatography using epitope-specific immunogen
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	~ 70 to 140 kDa
Gene Name:	amyloid beta precursor protein
Database Link:	<u>Entrez Gene 11820 Mouse</u> <u>Entrez Gene 351 Human</u> <u>P05067</u>



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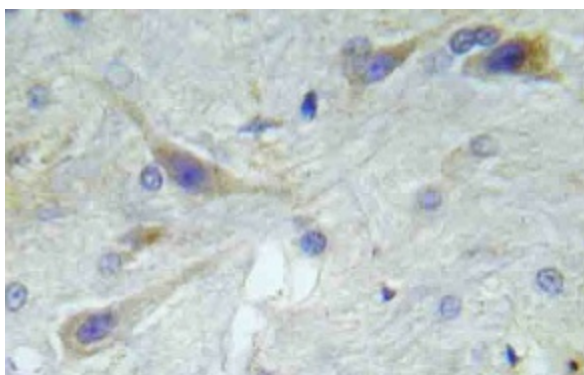
Background: Proteolytic cleavage of the Amyloid protein precursor (APP) gives rise to the beta-Amyloid and Amyloid A4 proteins, which are present in human platelets. Amyloid deposition is associated with type II diabetes, Down syndrome and a variety of neurological disorders, including Alzheimers disease. The Amyloid precursor protein (APP) undergoes alternative splicing, resulting in several isoforms. Proteolytic cleavage of APP leads to the formation of the Amyloid beta/A4 Amyloid protein. This protein is involved in the formation of neurofibrillary tangles and plaques that characterize the senile plaques of Alzheimers patients. APLP1 (Amyloid precursor-like protein 1) and APLP2 are structurally similar to APP. Human APLP2 is a membrane-bound sperm protein that contains a region highly homologous to the transmembrane-cytoplasmic domains of APP found in brain plaques of Alzheimers disease patients.

Synonyms: Alzheimer disease amyloid protein, Amyloid Precursor Protein, ABPP, APPI, PreA4, Cerebral vascular amyloid peptide, CVAP

Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Alzheimer's disease

Product images:



Immunohistochemistry (IHC) analyzes of p-beta Amyloid A4 antibody in paraffin-embedded human spinal cord tissue.