

Resource Summary Report

Generated by [dkNET](#) on Sep 6, 2026

pCAX APP 695

RRID:Addgene_30137

Type: Plasmid

Proper Citation

RRID:Addgene_30137

Plasmid Information

URL: <http://www.addgene.org/30137>

Proper Citation: RRID:Addgene_30137

Insert Name: Amyloid Precursor Protein

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:18160654](#)

Vector Backbone Description: Backbone Size:1380; Vector Backbone:pCAX; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Plasmid Name: pCAX APP 695

Relevant Mutation: wild type splice variant 695

Record Creation Time: 20220422T222132+0000

Record Last Update: 20260905T075456+0000

Ratings and Alerts

No rating or validation information has been found for pCAX APP 695.

No alerts have been found for pCAX APP 695.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 24 mentions in open access literature.

Listed below are recent publications. The full list is available at [dkNET](#) .

Strope TA, et al. (2025) Amyloid- β protein precursor modulates mitophagy and mitochondrial function through its cellular localization. *Journal of Alzheimer's disease : JAD*, 107(1), 277.

Martinez TP, et al. (2024) Amyloid- β -induced dendritic spine elimination requires Ca^{2+} -permeable AMPA receptors, AKAP-Calcineurin-NFAT signaling, and the NFAT target gene Mdm2. *eNeuro*, 11(3).

Brandimarti R, et al. (2023) The US9-Derived Protein gPTB9TM Modulates APP Processing Without Targeting Secretase Activities. *Molecular neurobiology*, 60(4), 1811.

Piccarducci R, et al. (2023) Apolipoprotein E ϵ 4 triggers neurotoxicity via cholesterol accumulation, acetylcholine dyshomeostasis, and PKC δ mislocalization in cholinergic neuronal cells. *Biochimica et biophysica acta. Molecular basis of disease*, 1869(7), 166793.

Reinitz F, et al. (2022) Inhibiting USP16 rescues stem cell aging and memory in an Alzheimer's model. *eLife*, 11.

Wilkins HM, et al. (2022) Mitochondrial Membrane Potential Influences Amyloid- β Protein Precursor Localization and Amyloid- β Secretion. *Journal of Alzheimer's disease : JAD*, 85(1), 381.

Nowakowska-Gołacka J, et al. (2021) EDEM1 Regulates Amyloid Precursor Protein (APP) Metabolism and Amyloid- β Production. *International journal of molecular sciences*, 23(1).

Cone AS, et al. (2020) Alix and Syntenin-1 direct amyloid precursor protein trafficking into extracellular vesicles. *BMC molecular and cell biology*, 21(1), 58.

Montesinos J, et al. (2020) The Alzheimer's disease-associated C99 fragment of APP regulates cellular cholesterol trafficking. *The EMBO journal*, 39(20), e103791.

Iannuzzi F, et al. (2020) Fyn Tyrosine Kinase Elicits Amyloid Precursor Protein Tyr682 Phosphorylation in Neurons from Alzheimer's Disease Patients. *Cells*, 9(8).

Dinamarca MC, et al. (2019) Complex formation of APP with GABAB receptors links axonal trafficking to amyloidogenic processing. *Nature communications*, 10(1), 1331.

Velagapudi R, et al. (2018) Activation of Nrf2 Pathway Contributes to Neuroprotection by the Dietary Flavonoid Tiliroside. *Molecular neurobiology*, 55(10), 8103.

Velagapudi R, et al. (2018) Agathisflavone isolated from *Anacardium occidentale* suppresses SIRT1-mediated neuroinflammation in BV2 microglia and neurotoxicity in APPSwe-transfected SH-SY5Y cells. *Phytotherapy research : PTR*, 32(10), 1957.

Hayrabedyan S, et al. (2018) The core sequence of PIF competes for insulin/amyloid β in insulin degrading enzyme: potential treatment for Alzheimer's disease. *Oncotarget*, 9(74), 33884.

Canu N, et al. (2017) Association of TrkA and APP Is Promoted by NGF and Reduced by Cell Death-Promoting Agents. *Frontiers in molecular neuroscience*, 10, 15.

Hein LK, et al. (2017) A novel fluorescent probe reveals starvation controls the commitment of amyloid precursor protein to the lysosome. *Biochimica et biophysica acta. Molecular cell research*, 1864(10), 1554.

Brandimarti R, et al. (2017) The lipid raft-dwelling protein US9 can be manipulated to target APP compartmentalization, APP processing, and neurodegenerative disease pathogenesis. *Scientific reports*, 7(1), 15103.

Pahrudin Arrozi A, et al. (2017) Evaluation of the Expression of Amyloid Precursor Protein and the Ratio of Secreted Amyloid Beta 42 to Amyloid Beta 40 in SH-SY5Y Cells Stably Transfected with Wild-Type, Single-Mutant and Double-Mutant Forms of the APP Gene for the Study of Alzheimer's Disease Pathology. *Applied biochemistry and biotechnology*, 183(3), 853.

Fisher CL, et al. (2017) Cyclic cis-Locked Phospho-Dipeptides Reduce Entry of A β PP into Amyloidogenic Processing Pathway. *Journal of Alzheimer's disease : JAD*, 55(1), 391.

Manocha GD, et al. (2016) APP Regulates Microglial Phenotype in a Mouse Model of Alzheimer's Disease. *The Journal of neuroscience : the official journal of the Society for Neuroscience*, 36(32), 8471.