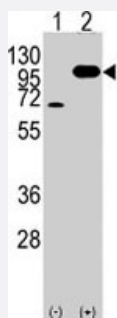


APP polyclonal antibody

Catalog # PAB4899 Size 400 uL

Applications



Western Blot (Transfected lysate)

Western blot analysis of APP (arrow) using rabbit APP polyclonal antibody (Cat # PAB4899). 293 cell lysate (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the APP gene (Lane 2) (Origene Technologies).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of APP.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to C-terminus of human APP.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Protein G purification
Recommend Usage	ELISA (1:1000) Western Blot (1:50-100) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Transfected lysate)

Western blot analysis of APP (arrow) using rabbit APP polyclonal antibody (Cat # PAB4899). 293 cell lysate (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the APP gene (Lane 2) (Origene Technologies).

- Enzyme-linked Immunoabsorbent Assay

Gene Info — APP

Entrez GeneID	351
---------------	---------------------

Protein Accession#	A4_HUMAN
--------------------	--------------------------

Gene Name	APP
-----------	-----

Gene Alias	AAA, ABETA, ABPP, AD1, APPI, CTFgamma, CVAP, PN2
------------	--

Gene Description	amyloid beta (A4) precursor protein
------------------	-------------------------------------

Omim ID	104760 605714
---------	-------------------------------

Gene Ontology	Hyperlink
---------------	---------------------------

Gene Summary	This gene encodes a cell surface receptor and transmembrane precursor protein that is cleaved by secretases to form a number of peptides. Some of these peptides are secreted and can bind to the acetyltransferase complex APBB1/TIP60 to promote transcriptional activation, while others form the protein basis of the amyloid plaques found in the brains of patients with Alzheimer disease. Mutations in this gene have been implicated in autosomal dominant Alzheimer disease and cerebral arteriole amyloidosis (cerebral amyloid angiopathy). Multiple transcript variants encoding several different isoforms have been found for this gene. [provided by RefSeq]
--------------	--

Other Designations	A4 amyloid protein amyloid beta A4 protein amyloid-beta protein beta-amyloid peptide cerebral vasculature amyloid peptide peptidase nexin-II protease nexin-II
--------------------	--

Publication Reference

- [Platelet amyloid precursor protein abnormalities in mild cognitive impairment predict conversion to dementia of Alzheimer type: a 2-year follow-up study.](#)

Borroni B, Colciaghi F, Caltagirone C, Rozzini L, Broglio L, Cattabeni F, Di Luca M, Padovani A.

Archives of Neurology 2003 Dec; 60(12):1740.

Application: WB, Human, Human platelets

- [Nonsteroidal anti-inflammatory drugs can lower amyloidogenic Abeta42 by inhibiting Rho.](#)

Zhou Y, Su Y, Li B, Liu F, Ryder JW, Wu X, Gonzalez-DeWhitt PA, Gelfanova V, Hale JE, May PC, Paul SM, Ni B.

Science 2003 Nov; 302(5648):1215.

- [Notch1 competes with the amyloid precursor protein for gamma-secretase and down-regulates presenilin-1 gene expression.](#)

Lleo A, Berezovska O, Ramdya P, Fukumoto H, Raju S, Shah T, Hyman BT.

The Journal of Biological Chemistry 2003 Nov; 278(48):47370.

Application: WB-Tr, Mouse, N2a cells

Disease

- [Alzheimer disease](#)
- [Amyloidosis](#)
- [Cardiovascular Diseases](#)
- [Celiac Disease](#)
- [Cerebral Hemorrhage](#)
- [Cerebrovascular Disorders](#)
- [Cognition](#)
- [Cognition Disorders](#)
- [Dementia](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)

- [Down Syndrome](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Headache](#)
- [Macular Degeneration](#)
- [Mental Status Schedule](#)
- [Neuropsychological Tests](#)
- [Psychiatric Status Rating Scales](#)
- [Recurrence](#)
- [Tobacco Use Disorder](#)
- [Tourette Syndrome](#)