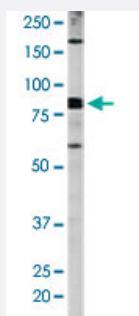


APP (phospho S730) polyclonal antibody

Catalog # PAB0408

Size 400 uL

Applications



Western Blot (Cell lysate)

The APP (phospho S730) polyclonal antibody (Cat # PAB0408) is used in Western blot to detect Phospho-APP-S730 in Jurkat cell lysate.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic phosphopeptide of APP.
Immunogen	Synthetic phosphopeptide (conjugated with KLH) corresponding to residues surrounding S730 of human APP.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Protein G purification
Recommend Usage	Western Blot (1:1000) 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 (Cell lysate)

The APP (phospho S730) polyclonal antibody (Cat # PAB0408) is used in Western blot to detect Phospho-APP-S730 in Jurkat cell lysate.

Gene Info — APP

Entrez GeneID [351](#)

Protein Accession# [NP_000475:P05067](#)

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.

- [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.](#)

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

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

Disease

- [Alzheimer disease](#)
- [Amyloidosis](#)
- [Cardiovascular Diseases](#)
- [Celiac Disease](#)
- [Cerebral Hemorrhage](#)
- [Cerebrovascular Disorders](#)
- [Cognition](#)
- [Cognition Disorders](#)
- [Dementia](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
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- [Genetic Predisposition to Disease](#)
- [Headache](#)
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- [Mental Status Schedule](#)
- [Neuropsychological Tests](#)
- [Psychiatric Status Rating Scales](#)
- [Recurrence](#)
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