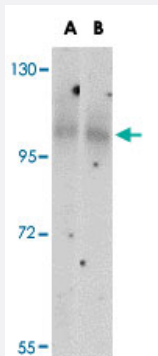


# APP polyclonal antibody

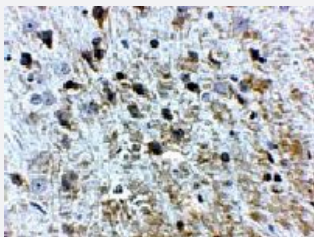
Catalog # PAB16733      Size 100 ug

## Applications



### Western Blot (Tissue lysate)

Western blot analysis of APP in mouse brain tissue lysate with APP polyclonal antibody (Cat # PAB16733) at (A) 1 and (B) 2 ug/mL .



### Immunohistochemistry

Immunohistochemistry of APP in mouse brain tissue with APP polyclonal antibody (Cat # PAB16733) at 2.5 ug/mL .

## Specification

|                            |                                                                                                |
|----------------------------|------------------------------------------------------------------------------------------------|
| <b>Product Description</b> | Rabbit polyclonal antibody raised against synthetic peptide of APP.                            |
| <b>Immunogen</b>           | A synthetic peptide corresponding to N-terminus 18 amino acids of human APP.                   |
| <b>Host</b>                | Rabbit                                                                                         |
| <b>Reactivity</b>          | Human, Mouse, Rat                                                                              |
| <b>Form</b>                | Liquid                                                                                         |
| <b>Recommend Usage</b>     | Western Blot (1-2 ug/mL)<br>The optimal working dilution should be determined by the end user. |

|                            |                                                                                                                         |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------|
| <b>Storage Buffer</b>      | In PBS (0.02% sodium azide)                                                                                             |
| <b>Storage Instruction</b> | Store at 4°C for three months. For long term storage store at -20°C.<br>Aliquot to avoid repeated freezing and thawing. |
| <b>Note</b>                | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.  |

## Applications

- Western Blot (Tissue lysate)

Western blot analysis of APP in mouse brain tissue lysate with APP polyclonal antibody (Cat # PAB16733) at (A) 1 and (B) 2 ug/mL .

- Immunohistochemistry

Immunohistochemistry of APP in mouse brain tissue with APP polyclonal antibody (Cat # PAB16733) at 2.5 ug/mL .

- Enzyme-linked Immunoabsorbent Assay

## Gene Info — APP

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Entrez GeneID</b>      | <a href="#">351</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Protein Accession#</b> | <a href="#">P05067</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Gene Name</b>          | APP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Gene Alias</b>         | AAA, ABETA, ABPP, AD1, APPI, CTFgamma, CVAP, PN2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Gene Description</b>   | amyloid beta (A4) precursor protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Omim ID</b>            | <a href="#">104760 605714</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Gene Ontology</b>      | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Gene Summary</b>       | 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 amyloid angiopathy (cerebral amyloid angiopathy). Multiple transcript variants encoding several different isoforms have been found for this gene. [provided by RefSeq] |
| <b>Other Designations</b> | 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

- [APP binds DR6 to trigger axon pruning and neuron death via distinct caspases.](#)

Nikolaev A, McLaughlin T, O'Leary DD, Tessier-Lavigne M.

Nature 2009 Feb; 457(7232):981.

- [Cell biology of the amyloid beta-protein precursor and the mechanism of Alzheimer's disease.](#)

Selkoe DJ.

Annual Review of Cell Biology 1994 Jan; 10:373.

Application: IHC, WB, Human, Human brains

- [A new A4 amyloid mRNA contains a domain homologous to serine proteinase inhibitors.](#)

Ponte P, Gonzalez-DeWhitt P, Schilling J, Miller J, Hsu D, Greenberg B, Davis K, Wallace W, Lieberburg I, Fuller F.

Nature 1988 Feb; 331(6156):525.

## 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](#)