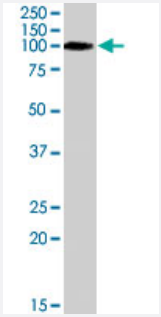
# APBA1 polyclonal antibody

Catalog # PAB7261 Size 100 ug

## Applications




### Western Blot (Tissue lysate)

APBA1 polyclonal antibody (Cat # PAB7261) (0.1 ug/mL) staining of human brain (cerebellum) lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

## Specification

| | |
|---|---|
| **Product Description** | Goat polyclonal antibody raised against synthetic peptide of APBA1. |
| **Immunogen** | A synthetic peptide corresponding to human APBA1. |
| **Sequence** | C-EASHPSQDGKRQYK |
| **Host** | Goat |
| **Theoretical MW (kDa)** | 92.9 |
| **Reactivity** | Human |
| **Form** | Liquid |
| **Purification** | Antigen affinity purification |
| **Concentration** | 0.5 mg/mL |
| **Quality Control Testing** | Antibody Reactive Against Synthetic Peptide. |
| **Recommend Usage** | ELISA (1:16000)<br>Western Blot (0.1-0.3 ug/mL)<br>The optimal working dilution should be determined by the end user. |

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| | |
|---|---|
| **Storage Buffer** | In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide) |
| **Storage Instruction** | Store at -20°C.<br>Aliquot to avoid repeated freezing and thawing. |
| **Note** | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only. |

## Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Tissue lysate)

  APBA1 polyclonal antibody (Cat # PAB7261) (0.1 ug/mL) staining of human brain (cerebellum) lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

## Gene Info — APBA1

| | |
|---|---|
| **Entrez GeneID** | 320 |
| **Protein Accession#** | NP_001154.2 |
| **Gene Name** | APBA1 |
| **Gene Alias** | D9S411E, MINT1, X11, X11A, X11ALPHA |
| **Gene Description** | amyloid beta (A4) precursor protein-binding, family A, member 1 |
| **Omim ID** | 602414 |
| **Gene Ontology** | Hyperlink |
| **Gene Summary** | The protein encoded by this gene is a member of the X11 protein family. It is a neuronal adapter p rotein that interacts with the Alzheimer's disease amyloid precursor protein (APP). It stabilizes AP P and inhibits production of proteolytic APP fragments including the A beta peptide that is deposi ted in the brains of Alzheimer's disease patients. This gene product is believed to be involved in s ignal transduction processes. It is also regarded as a putative vesicular trafficking protein in the br ain that can form a complex with the potential to couple synaptic vesicle exocytosis to neuronal cel l adhesion. [provided by RefSeq |
| **Other Designations** | OTTHUMP00000021438\|adaptor protein X11alpha\|amyloid beta (A4) precursor protein-binding, family A, member 1 (X11)\|amyloid beta A4 precursor protein-binding, family A, member 1\|neuron-specific X11 protein\|neuronal munc18-1-interacting protein 1\|phosphotyro |

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## Publication Reference

- Cyclin-dependent kinase 5, Munc18a and Munc18-interacting protein 1/X11alpha protein up-regulation in Alzheimer's disease.

  Jacobs EH, Williams RJ, Francis PT.

  Neuroscience 2006 Jan; 138(2):511.

  Application: WB-Ti, Human, Human cortex

## Disease

- Alzheimer Disease
- Amnesia
- Cognition Disorders
- Neuropsychological Tests
- Tobacco Use Disorder

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