

# APH1 Antibody

Catalog No: #24480

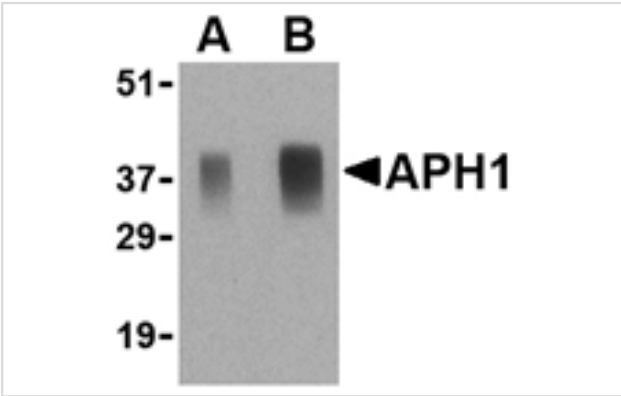


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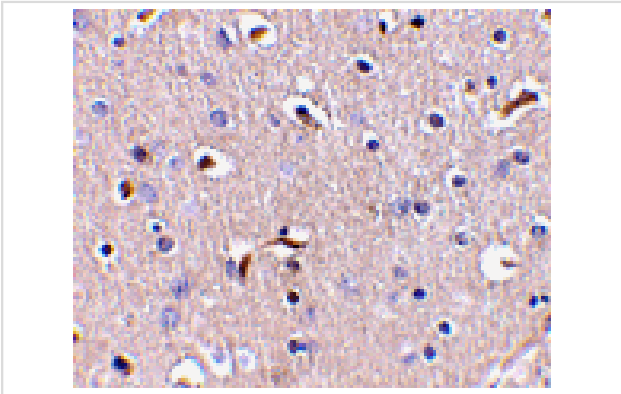
## Description

|                       |   |
|-----------------------|---|
| Product Name          | APH1 Antibody   |
| Host Species          | Rabbit  |
| Clonality             | Polyclonal  |
| Purification          | Affinity chromatography purified via peptide column   |
| Applications          | ELISA WB IHC  |
| Species Reactivity    | Hu Ms Rt  |
| Immunogen Type        | Peptide   |
| Immunogen Description | Raised against a 18 amino acid peptide from near the center of human APH1.  |
| Target Name           | APH1  |
| Other Names           | Anterior pharynx defective 1, presenilin stabilization factor   |
| Accession No.         | Swiss-Prot:Q96BI3Gene ID:51107  |
| Uniprot               | Q96BI3  |
| GeneID                | 51107;  |
| Concentration         | 1mg/ml  |
| Formulation           | Supplied in PBS containing 0.02% sodium azide.  |
| Storage               | Can be stored at -20°C, stable for one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures. |

## Images



Western blot analysis of APH1 in human brain tissue lysate with APH1 antibody at (A) 0.5 and (B) 1 ug/mL.



Immunohistochemistry of APH1 in human brain tissue with APH1 antibody at 5 ug/mL.

## Background

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APH1 was initially identified as a component of the Notch pathway in *C. elegans*. Along with nicastrin, PEN2, and presenilin-1 APH1 is an essential component of the gamma-secretase complex which cleave the amyloid precursor protein (APP) at what are known as the gamma- and epsilon-sites and can lead to the accumulation of the Amyloid beta peptide (Abeta) cleavage product that is associated with Alzheimer's disease. APH1 exists in at least three distinct isoforms with APH1a as the principal isoform present in the gamma-secretase complex. Mice deficient in this isoform, but not the other two, were lethal at E10.5, with impaired vascular and neural development observed.

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Note: This product is for in vitro research use only