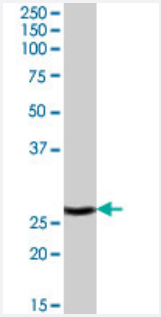
APH1A polyclonal antibody

Catalog # PAB7304 Size 100 ug

Applications



Western Blot (Tissue lysate)

APH1A polyclonal antibody (Cat # PAB7304) (0.05 ug/mL) staining of human brain (cerebral cortex) 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 APH1A.
Immunogen	A synthetic peptide corresponding to human APH1A.
Sequence	C-HVTDRSDARLQYG
Host	Goat
Theoretical MW (kDa)	28.9, 26.8
Reactivity	Human
Specificity	This antibody is expected to recognize both reported isoforms (NP_001071096.1 and NP_057106.2).
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.

Recommend Usage	ELISA (1:128000) Western Blot (0.05-0.1 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	Store at -20°C. 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

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — APH1A

Entrez GeneID	51107
Protein Accession#	NP_001071096.1;NP_057106.2
Gene Name	APH1A
Gene Alias	6530402N02Rik, APH-1A, CGI-78
Gene Description	anterior pharynx defective 1 homolog A (C. elegans)
Omim ID	607629
Gene Ontology	Hyperlink
Gene Summary	APH1 is a multipass transmembrane protein that interacts with presenilin (see PSEN1; MIM 1043 11) and nicastrin (APH2; MIM 605254) as a functional component of the gamma-secretase compl ex. The gamma-secretase complex is required for the intramembrane proteolysis of a number of membrane proteins, including the amyloid-beta precursor protein (APP; MIM 104760) and Notch (MIM 190198).[supplied by OMIM
Other Designations	OTTHUMP00000014528|OTTHUMP00000014529|anterior pharynx defective 1 homolog A

Publication Reference

- Rer1p competes with APH-1 for binding to nicastrin and regulates gamma-secretase complex assembly in the early secretory pathway.

  Spasic D, Raemaekers T, Dillen K, Declerck I, Baert V, Serneels L, Fullekrug J, Annaert W.

  The Journal of Cell Biology 2007 Feb; 176(5):629.

  Application: WB, Human, HeLa cells

Pathway

- Notch signaling pathway

Disease

- Alzheimer disease
- Cardiovascular Diseases
- Diabetes Complications
- Genetic Predisposition to Disease
- Metabolic Syndrome X
- Neoplasms
- Osteoporosis
- Tobacco Use Disorder