Datasheet for ABIN499309

anti-APH1A antibody (Middle Region)

2 Images

Go to Product page

Overview

Quantity:	0.1 mg
Target:	APH1A
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This APH1A antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	APH1 antibody was raised against a 18 amino acid peptide from near the center of human APH1.
Isotype:	IgG
Specificity:	This antibody reacts to APH1.
Purification:	Affinity chromatography purified via peptide column

Target Details

Target:	APH1A
Alternative Name:	APH1A (APH1A Products)

Target Details

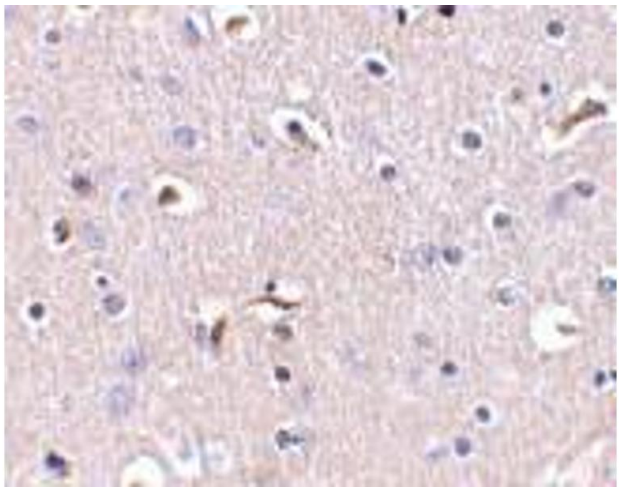
Background:	APH1 was initially identified as a component of the Notch pathway in C. elegans. Along with nicastrin, PEN2, and presenilin-1 APH1 is an essential component of the γsecretase complex which cleave the amyloid precursor protein (APP) at what are known as the gamma and gamma sites and can lead to the accumulation of the Amyloid beta peptide A beta 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. Despite its predicted molecular weight, APH1 protein often migrates at aberrant locations in SDS-PAGE.Synonyms: APH-1A, Aph-1 alpha, CGI-78, Gamma-secretase subunit APH-1A, PSF, Presenilin-stabilization factor
Gene ID:	51107
UniProt:	Q96BI3
Pathways:	Notch Signaling, Neurotrophin Signaling Pathway

Application Details

Application Notes:	ELISA. Western Blot: APH1 antibody can be used for detection of APH1 at 0.5 - 1 µg/mL. Immunohistochemistry. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

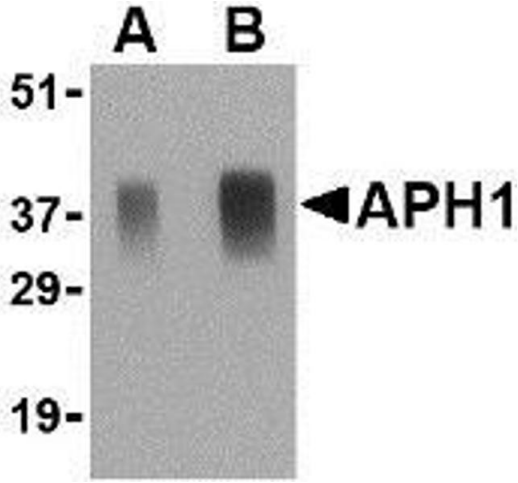
Handling

Buffer:	PBS containing 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry of APH1 in human brain tissue with APH1 antibody at 5 µg/ml.



Western Blotting

Image 2. Western blot analysis of APH1 in human brain tissue lysate with AP30067PU-N APH1 antibody at (A) 0.5 and (B) 1 µg/ml.

