Datasheet for ABIN6990699

anti-APH1A antibody (N-Term)

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Overview

Quantity:	0.1 mg
Target:	APH1A
Binding Specificity:	AA 40-90, N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This APH1A antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	APH1 antibody was raised against a 13 amino acid synthetic peptide from near the amino terminus of human APH1a. The immunogen is located within amino acids 40 - 90 of APH1.
Isotype:	IgG
Purification:	APH1 Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	APH1A
Alternative Name:	APH1 (APH1A Products)
Background:	APH1 Antibody: 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

Target Details

	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.
Gene ID:	51107
UniProt:	Q96BI3
Pathways:	Notch Signaling, Neurotrophin Signaling Pathway

Application Details

Application Notes:	APH1 antibody can be used for detection of APH1 by Western blot at 0.5 - 2 µ,g/mL. Despite its predicted molecular weight, APH1 protein often migrates at aberrant locations in SDS-PAGE. Antibody validated: Western Blot in mouse samples. All other applications and species not yet tested.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	APH1 Antibody is supplied in 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:	-20 °C,4 °C
Storage Comment:	APH1 antibody can be stored at 4°C for three months and -20°C, stable for up to 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.