

Datasheet for ABIN5027035
anti-APH1A antibody (AA 11-245)



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1 Image

Overview

Quantity:	100 µg
Target:	APH1A
Binding Specificity:	AA 11-245
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This APH1A antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	A partial length recombinant APH1A protein (amino acids 11-245) was used as the immunogen for this antibody.
Isotype:	IgG
Purification:	Protein A Chromatography

Target Details

Target:	APH1A
Alternative Name:	APH1A (APH1A Products)
Background:	APH1A also known as Anterior pharynx-defective 1, is a multi-spanning membrane protein and an integral component of the high molecular weight gamma-secretase complex that also contains presenilin, nicastrin, and Pen-2. The gamma-secretase complex is required for the

Target Details

intramembrane proteolysis of APP (amyloid-beta precursor protein) and Notch. A β 1A is essential for gamma-cleavage of APP to enable the intracellular domain to travel to the nucleus. A β 1A satisfies three major criteria for a subunit of the gamma-secretase complex in mammalian cells. First, endogenous A β 1A, nicastrin, and the presenilin NTF:CTF heterodimers physically interact with each other in vivo and under the conditions that are compatible with gamma-secretase activity. Second, like presenilin and nicastrin, A β 1A is required for the intramembrane proteolysis of both APP and Notch. Third, the down-regulation of A β 1A like presenilin or nicastrin leads to concurrent reduction of the mature nicastrin or the steady-state levels of the presenilin endoproteolytic fragments, the mature presenilin species within the gamma-secretase complex.

Molecular Weight:	27 kDa
Gene ID:	51107
UniProt:	Q96BI3
Pathways:	Notch Signaling , Neurotrophin Signaling Pathway

Application Details

Application Notes:	WB: 1-2 μ g/mL
Restrictions:	For Research Use only

Handling

Concentration:	0.5 mg/mL
Buffer:	PBS containing 0.05 % BSA, PH 7.4
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/-20 °C
Storage Comment:	Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.

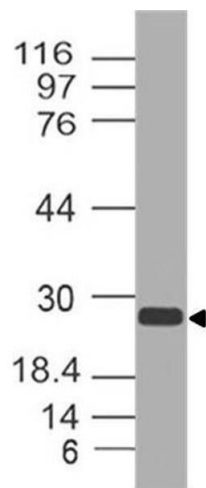


Image 1.