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11-10036: Polyclonal Antibody to APH1A

Clonality :	Polyclonal
Application :	WB
Reactivity :	Human
Gene :	APH1A
Gene ID :	51107
Uniprot ID :	Q96BI3
Format :	Purified
Alternative Name :	APH1A,PSF,CGI-78,UNQ579/PRO1141
Isotype :	Rabbit IgG
Immunogen Information :	A partial length recombinant APH1A protein (amino acids 11-245) was used as the immunogen for this antibody.

Description

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 intramembrane proteolysis of APP (amyloid-beta precursor protein) and Notch. APH1A is essential for gamma-cleavage of APP to enable the intracellular domain to travel to the nucleus. APH1A satisfies three major criteria for a subunit of the gamma-secretase complex in mammalian cells. First, endogenous APH1A, 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, APH1A is required for the intramembrane proteolysis of both APP and Notch. Third, the down-regulation of APH1A 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.

Product Info

Amount :	25 µg / 100 µg
Purification :	Protein A Chromatography
Content :	25 µg in 50 µl/100 µg in 200 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
Storage condition :	Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

Western blot analysis: 1-2 µg/ml

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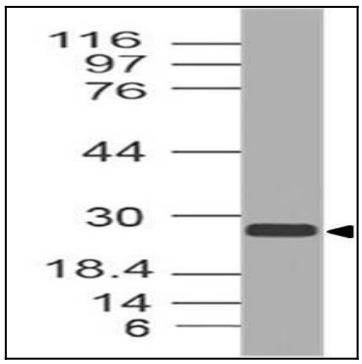


Fig-1: Expression analysis of APH1A. Anti-APH1A antibody (11-10036) was used at 1 µg/ml on h Spleen lysate.

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