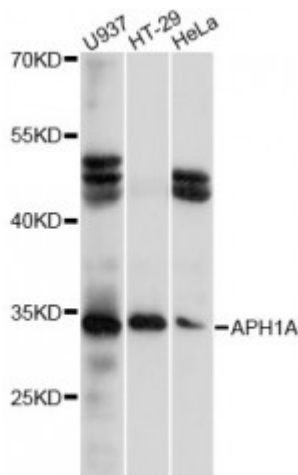


Anti-APH1A Antibody



Description

This gene encodes a component of the gamma secretase complex that cleaves integral membrane proteins such as Notch receptors and beta-amyloid precursor protein. The gamma secretase complex contains this gene product, or the paralogous anterior pharynx defective 1 homolog B (APH1B), along with the presenilin, nicastrin, and presenilin enhancer-2 proteins. The precise function of this seven-transmembrane-domain protein is unknown though it is suspected of facilitating the association of nicastrin and presenilin in the gamma secretase complex as well as interacting with substrates of the gamma secretase complex prior to their proteolytic processing. Polymorphisms in a promoter region of this gene have been associated with an increased risk for developing sporadic Alzheimer's disease. Alternative splicing results in multiple protein-coding and non-protein-coding transcript variants.

Model	STJ116870
Host	Rabbit
Reactivity	Human
Applications	WB
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 200 to the C-terminus of human APH1A (NP_001071096.1).
Gene ID	51107
Gene Symbol	APH1A
Dilution range	WB 1:500 - 1:2000
Tissue Specificity	Widely expressed, Expressed in leukocytes, lung, placenta, small intestine, liver, kidney, spleen thymus, skeletal muscle, heart and brain, Isoform 1 and

isoform 2 are nearly expressed at the same level

Purification	Affinity purification
Note	For Research Use Only (RUO).
Protein Name	Gamma-secretase subunit APH-1A APH-1a Aph-1alpha Presenilin-stabilization factor
Molecular Weight	28.996 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:29509OMIM:607629Reactome:R-HSA-1251985
Alternative Names	Gamma-secretase subunit APH-1A APH-1a Aph-1alpha Presenilin-stabilization factor
Function	Non-catalytic subunit of the gamma-secretase complex, an endoprotease complex that catalyzes the intramembrane cleavage of integral membrane proteins such as Notch receptors and APP (amyloid-beta precursor protein) ,
Cellular Localization	Endoplasmic reticulum membrane