

ARG40338 anti-APLP1 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes APLP1
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	APLP1
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 39-300 of Human APLP1 (NP_005157.1).
Conjugation	Un-conjugated
Alternate Names	APLP; Amyloid-like protein 1; APLP-1

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:50 - 1:200
	IHC-P	1:50 - 1:200
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	HeLa	
Observed Size	68 kDa	

Properties

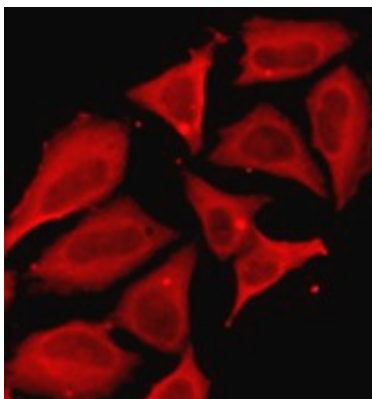
Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	APLP1
Gene Full Name	amyloid beta (A4) precursor-like protein 1
Background	This gene encodes a member of the highly conserved amyloid precursor protein gene family. The encoded protein is a membrane-associated glycoprotein that is cleaved by secretases in a manner similar to amyloid beta A4 precursor protein cleavage. This cleavage liberates an intracellular cytoplasmic fragment that may act as a transcriptional activator. The encoded protein may also play a role in synaptic maturation during cortical development. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq, Jul 2008]
Function	<p>May play a role in postsynaptic function. The C-terminal gamma-secretase processed fragment, ALID1, activates transcription activation through APBB1 (Fe65) binding (By similarity). Couples to JIP signal transduction through C-terminal binding. May interact with cellular G-protein signaling pathways. Can regulate neurite outgrowth through binding to components of the extracellular matrix such as heparin and collagen I.</p> <p>The gamma-CTF peptide, C30, is a potent enhancer of neuronal apoptosis. [UniProt]</p>
Calculated Mw	72 kDa
PTM	<p>Proteolytically cleaved by caspases during neuronal apoptosis. Cleaved, in vitro, at Asp-620 by caspase-3 (By similarity).</p> <p>N- and O-glycosylated. O-glycosylation with core 1 or possibly core 8 glycans. Glycosylation on Ser-227 is the preferred site to Thr-228. [UniProt]</p>
Cellular Localization	Cell membrane; Single-pass type I membrane protein. C30: Cytoplasm. Note=C-terminally processed in the Golgi complex. [UniProt]

Images



ARG40338 anti-APLP1 antibody ICC/IF image

Immunofluorescence: HeLa cells stained with ARG40338 anti-APLP1 antibody.

ARG40338 anti-APLP1 antibody WB image

Western blot: 25 µg of HeLa cell lysate stained with ARG40338 anti-APLP1 antibody at 1:1000 dilution.

