

## 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

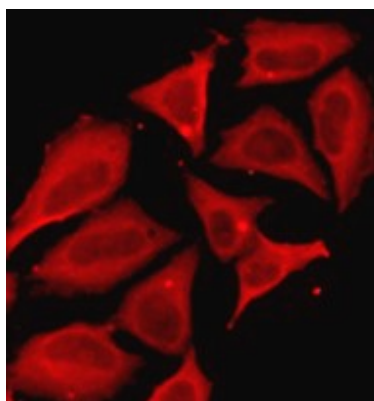
Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. 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	<p>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]</p>
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.

