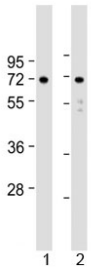
APLP1 Antibody (C-Terminal Region) (F54145)

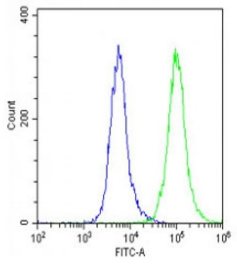
Catalog No.	Formulation	Size
F54145-0.2ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.2 ml
F54145-0.05ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.05 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	P51693
RRID	AB_3758399
Applications	Western blot: 1:1000-1:2000 Flow cytometry: 1:25 per million cells
Limitations	This APLP1 antibody is available for research use only.



Western blot testing of human 1) U-251 MG and 2) U-87 MG cell lysate with APLP1 antibody at 1:2000. Expected molecular weight: 76 kDa (unmodified), ~86 kDa (soluble/glycosylated form), 92~95 kDa (mature form).



Flow cytometry testing of fixed and permeabilized human U-87 MG cells with APLP1 antibody; Blue=isotype control, Green= APLP1 antibody.

Description

Amyloid-like protein 1 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.

For additional research into amyloid precursor-like protein family signaling and neuronal adhesion, explore our APLP1 Antibody (R31208), which provides complementary validation data for investigating APLP1 expression.

Application Notes

The stated application concentrations are suggested starting points. Titration of the APLP1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 505-539 from human Amyloid-like protein 1 was used as the immunogen for the APLP1 antibody.

Storage

Aliquot the APLP1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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