

APLP1 Antibody (C-Term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP22338b**Specification**

APLP1 Antibody (C-Term) - Product Information

Application	WB, FC,E
Primary Accession	P51693
Reactivity	Human
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Calculated MW	72176

APLP1 Antibody (C-Term) - Additional Information**Gene ID** 333**Other Names**

Amyloid-like protein 1, APLP, APLP-1, C30, APLP1

Target/Specificity

This APLP1 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 505-539 amino acids from the human region of human APLP1.

Dilution

WB~~1:2000

FC~~1:25

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

APLP1 Antibody (C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

APLP1 Antibody (C-Term) - Protein Information**Name** APLP1

Function 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.

Cellular Location

Cell membrane; Single-pass type I membrane protein

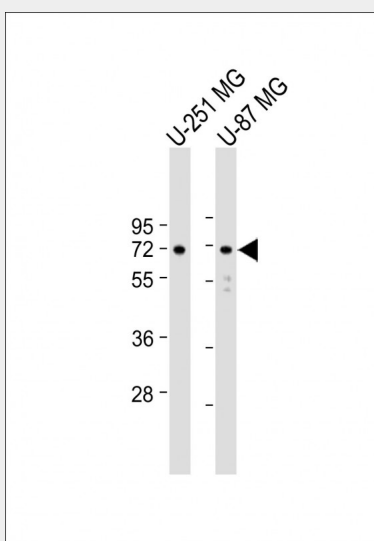
Tissue Location

Expressed in the cerebral cortex where it is localized to the postsynaptic density (PSD)

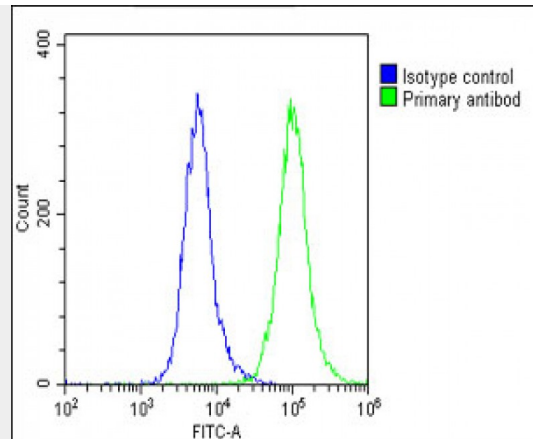
APLP1 Antibody (C-Term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

APLP1 Antibody (C-Term) - Images

All lanes : Anti-APLP1 Antibody (C-Term) at 1:2000 dilution Lane 1: U-251 MG whole cell lysate Lane 2: U-87 MG whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 72 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



Overlay histogram showing U-87 MG cells stained with AP22338b (green line). The cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were then incubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (AP22338b, 1:25 dilution) for 60 min at 37°C. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed (1583138) at 1/200 dilution for 40 min at 37°C. Isotype control antibody (blue line) was rabbit IgG1 (1 µg/1x10⁶ cells) used under the same conditions. Acquisition of >10,000 events was performed.

APLP1 Antibody (C-Term) - Background

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.

APLP1 Antibody (C-Term) - References

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- Kim T.-W., et al. Brain Res. Mol. Brain Res. 32:36-44(1995).
- Bush A.L., et al. J. Biol. Chem. 269:26618-26621(1994).