Datasheet for ABIN6243047

# anti-APLP1 antibody (AA 505-539)

2 Images

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## Overview

| | |
|---|---|
| Quantity: | 200 µL |
| Target: | APLP1 |
| Binding Specificity: | AA 505-539 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This APLP1 antibody is un-conjugated |
| Application: | Western Blotting (WB), Flow Cytometry (FACS) |

## Product Details

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|---|---|
| Immunogen: | 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. |
| Clone: | RB58020 |
| Isotype: | Ig Fraction |
| Purification: | This antibody is purified through a protein A column, followed by peptide affinity purification. |

## Target Details

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|---|---|
| Target: | APLP1 |
| Alternative Name: | APLP1 (APLP1 Products) |
| Background: | May play a role in postsynaptic function. The C-terminal gamma-secretase processed |

## Target Details

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|---|---|
| | 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. |
| Molecular Weight: | 72176 |
| UniProt: | P51693 |
| Pathways: | cAMP Metabolic Process |

## Application Details

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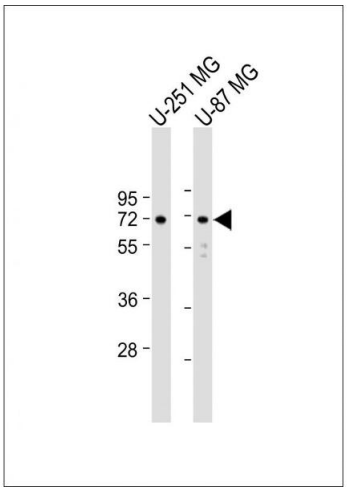
|---|---|
| Application Notes: | WB: 1:2000. FC: 1:25 |
| Restrictions: | For Research Use only |

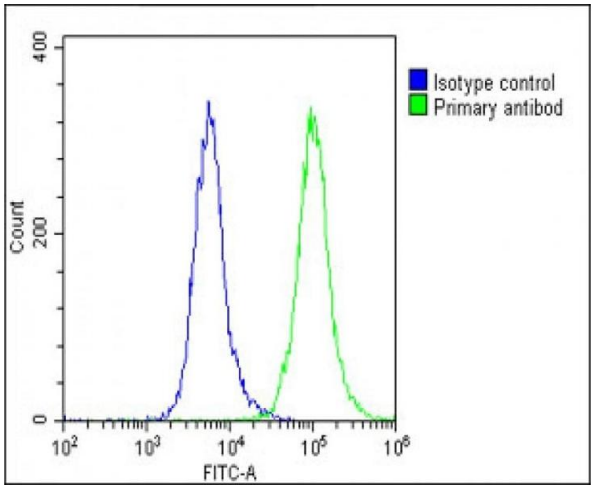
## Handling

| | |
|---|---|
| Format: | Liquid |
| Buffer: | Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | 4 °C,-20 °C |
| Expiry Date: | 6 months |




## Western Blotting

**Image 1.** All lanes : Anti-LP1 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.




## Flow Cytometry

**Image 2.** Overlay histogram showing U-87 MG cells stained with (ABIN6243047 and ABIN6578879)(green line). The cells were fixed with 2 % paraformaldehyde (10 min) and then permeabilized with 90 % methanol for 10 min. The cells were then icubated in 2 % bovine serum albumin to block non-specific protein-protein interactions followed by the antibody ((ABIN6243047 and ABIN6578879), 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 µ g/1x10^6 cells) used under the same conditions. Acquisition of >10, 000 events was performed.