abcam

Product datasheet

Anti-APLP1 antibody ab94957

[2 图像](#)

概述

产品名称	Anti-APLP1抗体
描述	兔多克隆抗体to APLP1
宿主	Rabbit
经测试应用	**适用于:** WB, ICC/IF
种属反应性	**与反应:** Human
免疫原	Synthetic peptide corresponding to Human APLP1 aa 200-300 conjugated to keyhole limpet haemocyanin. (Peptide available as **ab106419**)
阳性对照	This antibody gave a positive signal in Human Brain Tissue Lysate. This antibody gave a positive result when used in the following methanol fixed cell lines:SKNSH.
常规说明	The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	pH: 7.40 Preservative: 0.02% Sodium azide Constituent: PBS Batches of this product that have a concentration < 1mg/ml may have BSA added as a stabilising agent. If you would like information about the formulation of a specific lot, please contact our scientific support team who will be happy to help.
纯度	Immunogen affinity purified

克隆	多克隆
同种型	IgG

应用

The Abpromise guarantee **Abpromise™承诺保证使用ab94957于以下的经测试应用**

"应用说明"部分 下显示的仅为**推荐的起始稀释度**；实际**最佳的稀释度/浓度应由使用者**检定。

应用	Ab评论	说明
WB		Use a concentration of 1 µg/ml. Detects a band of approximately 75 kDa (predicted molecular weight: 72 kDa).
ICC/IF		Use a concentration of 5 µg/ml.

靶标

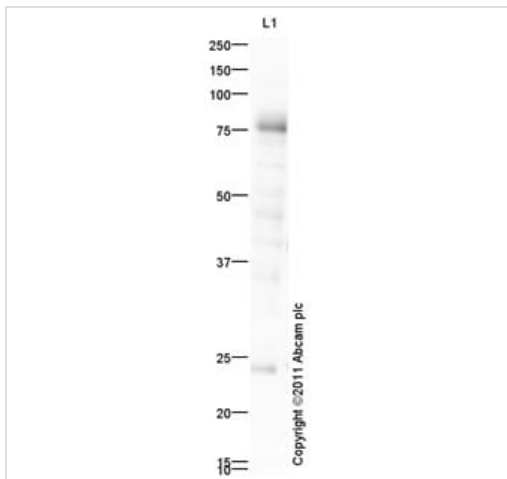| 功能	May play a role in postsynaptic function. The C-terminal gamma-secretase processed fragment, ALID1, activates transcription activation through APBB1 (Fe65) binding (By similarity). Couples to JIP signal transduction through C-terminal binding. May interact with cellular G-protein signaling pathways. Can regulate neurite outgrowth through binding to components of the extracellular matrix such as heparin and collagen I. The gamma-CTF peptide, C30, is a potent enhancer of neuronal apoptosis.
组织特异性	Expressed in the cerebral cortex where it is localized to the postsynaptic density (PSD).
序列相似性	Belongs to the APP family.
结构域	The NPXY sequence motif found in many tyrosine-phosphorylated proteins is required for the specific binding of the PID domain. However, additional amino acids either N- or C-terminal to the NPXY motif are often required for complete interaction. The NPXY site is also involved in clathrin-mediated endocytosis.
翻译后修饰	Proteolytically cleaved by caspases during neuronal apoptosis. Cleaved, in vitro, at Asp-620 by caspase-3. 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.
细胞定位	Cell membrane and Cytoplasm. C-terminally processed in the Golgi complex.

图片

Western blot - Anti-APLP1 antibody (ab94957)

Anti-APLP1 antibody (ab94957) at 1 µg/ml + Human brain tissue lysate - total protein (**ab29466**) at 10 µg

Secondary
Goat Anti-Rabbit IgG H&L (HRP) preadsorbed (**ab97080**) at 1/5000 dilution
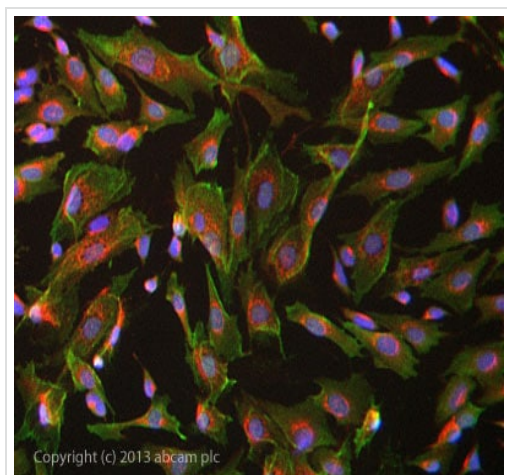
Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 72 kDa
Observed band size: 75 kDa
Additional bands at: 24 kDa. We are unsure as to the identity of these extra bands.

Exposure time: 2 minutes

Immunocytochemistry/ Immunofluorescence - Anti-APLP1 antibody (ab94957)

ab94957 stained SKNSH cells. The cells were 100% methanol fixed (5 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody ab94957 at 5µg/ml overnight at +4°C. The secondary antibody (green) was DyLight® 488 goat anti- rabbit (**ab96899**) IgG (H+L) used at a 1/1000 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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