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Anti-APLP1 Antibody

Catalog # AP50984

Product Information

Application	WB, IF/IC
Primary Accession	P51693
Reactivity	Human, Mouse, Rat, Bovine, Mk
Host	Rabbit
Clonality	Polyclonal
Calculated MW	72176

Additional Information

Gene ID	333
Other Names	Amyloid-like protein 1; APLP; APLP-1
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human APLP1. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

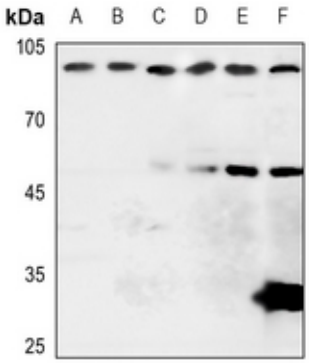
Protein Information

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)

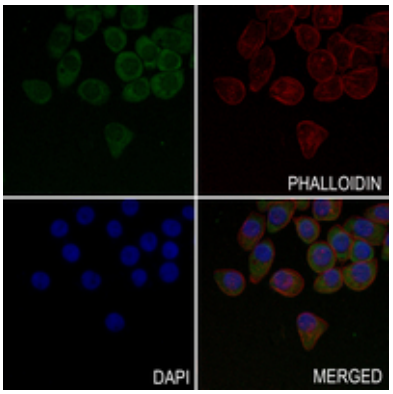
References

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Images



Western blot analysis of APLP1 expression in HEK293T (A), H1688 (B), H1792 (C), mouse kidney (D), mouse heart (E), rat heart (F) whole cell lysates. (Predicted band size: 72 kD; Observed band size: 97 kD)



Immunofluorescent analysis of APLP1 staining in PCCL cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.