Best Tools for immunology Research

APLP-1 Polyclonal Antibody

| Catalog No: | YT5058 |
| :---: | :---: |
| Reactivity : | Human;Mouse |
| Applications: | WB;IHC;IF;ELISA |
| Target : | APLP-1 |
| Gene Name : | APLP1 |
| Protein Name : | Amyloid-like protein 1 |
| Human Gene Id : | 333 |
| Human Swiss Prot | P51693 |
| Mouse Gene Id : | 11803 |
| Mouse Swiss Prot | Q03157 |
| No: Immunogen: | Synthesized peptide derived from APLP-1 . at AA range: 360-440 |
| Specificity : | APLP-1 Polyclonal Antibody detects endogenous levels of APLP-1 protein. |
| Formulation : | Liquid in PBS containing 50\% glycerol, 0.5\% BSA and 0.02\% sodium azide. |
| Source : | Polyclonal, Rabbit,lgG |
| Dilution : | WB 1:500-1:2000. IHC: 1:100-300 ELISA: 1:10000.. IF 1:50-200 |
| Purification : | The antibody was affinity-purified from rabbit antiserum by affinitychromatography using epitope-specific immunogen. |
| Concentration : | $1 \mathrm{mg} / \mathrm{ml}$ |
| Storage Stability : | $-15^{\circ} \mathrm{C}$ to $-25^{\circ} \mathrm{C} / 1$ year(Do not lower than $-25^{\circ} \mathrm{C}$ ) |

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## Observed Band : 72kD

Background : This gene encodes a member of the highly conserved amyloid precursor protein gene family. The encoded protein is a membrane-associated glycoprotein that is cleaved by secretases in a manner similar to amyloid beta A4 precursor protein cleavage. This cleavage liberates an intracellular cytoplasmic fragment that may act as a transcriptional activator. The encoded protein may also play a role in synaptic maturation during cortical development. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq, Jul 2008],
domain: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 clathrinmediated endocytosis.,function:May play a role in postsynaptic function. The Cterminal 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.function:The gamma-CTF peptide, C30, is a potent enhancer of neuronal apoptosis.,miscellaneous:Binds zinc and copper in the extracellular domain. Zinc-

Cell membrane; Single-pass type I membrane protein.; [C30]: Cytoplasm. Cterminally processed in the Golgi complex.

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

Sort :
2134

No4 :

Host :
Rabbit

Modifications: Unmodified

## Products Images

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Western Blot analysis of extracts from K562 cells, using APLP-1 Polyclonal Antibody. Secondary antibody (catalog\#:RS0002) was diluted at 1:20000

Immunohistochemical analysis of paraffin-embedded mouseovary, antibody was diluted at 1:100

