

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 No :	P51693
Mouse Gene Id :	11803
Mouse Swiss Prot No :	Q03157
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,IgG
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 affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)

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],

Function :

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 clathrin-mediated endocytosis.,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.,function:The gamma-CTF peptide, C30, is a potent enhancer of neuronal apoptosis.,miscellaneous:Binds zinc and copper in the extracellular domain. Zinc-

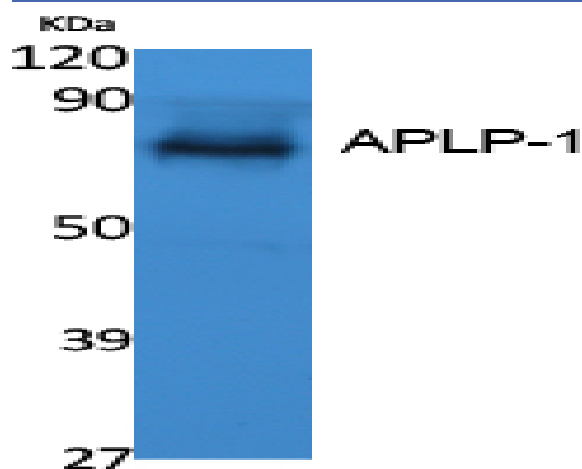
Subcellular Location :

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

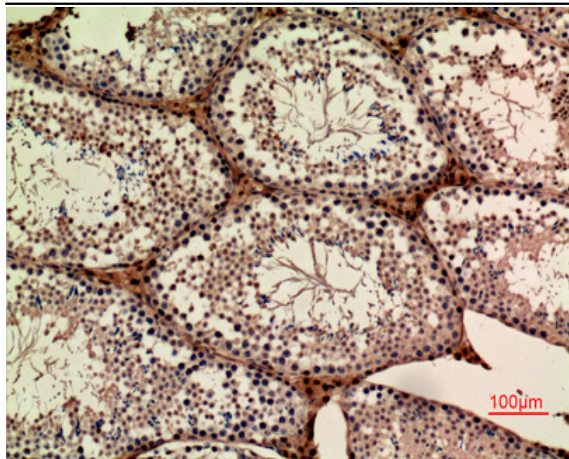
Expression :

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

Products Images



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 mouse-ovary, antibody was diluted at 1:100