Product Name: APLP-1 Rabbit Polyclonal Antibody
Catalog #: APRab07013

Summary

Production Name	APLP-1 Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB,IHC-P,IF-P,IF-F,ICC/IF,ELISA
Reactivity	Human,Mouse

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	APLP1
Alternative Names	APLP1; Amyloid-like protein 1; APLP; APLP-1
Gene ID	333.0
SwissProt ID	P51693.Synthesized peptide derived from APLP-1 . at AA range: 360-440

Application

Dilution Ratio	WB 1:500-1:2000, IHC-P 1:100-300, ELISA 1:10000, IF-P/IF-F/ICC/IF 1:50-200
Molecular Weight	72kDa

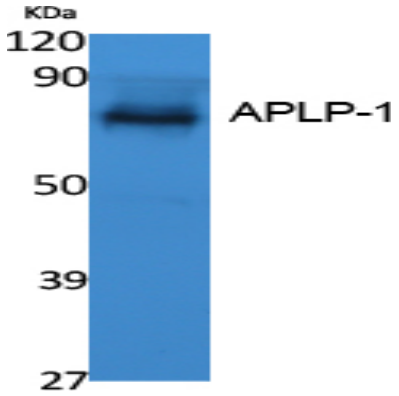
Background

Product Name: APLP-1 Rabbit Polyclonal Antibody
Catalog #: APRab07013

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 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-binding increases heparin binding. No Cu(2+) reducing activity with copper-binding.,PTM:N- and O-glycosylated.,PTM:Proteolytically cleaved by caspases during neuronal apoptosis. Cleaved, in vitro, at Asp-620 by caspase-3.,similarity:Belongs to the APP family.,subcellular location:C-terminally processed in the Golgi complex.,subunit:Binds, via its C-terminus, to the PID domain of several cytoplasmic proteins, including APBB and APBA family members, MAPK8IP1 and Dab1 (By similarity). Binding to Dab1 inhibits its serine phosphorylation (By similarity). Interacts with CPEB1.,tissue specificity:Expressed in the cerebral cortex where it is localized to the postsynaptic density (PSD).,

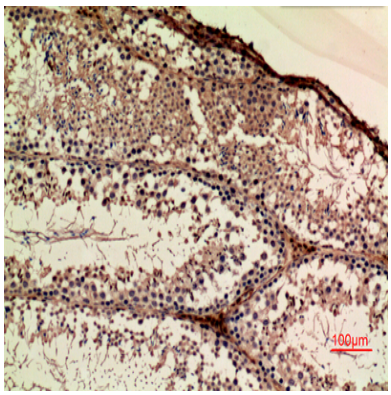
Research Area

Image Data

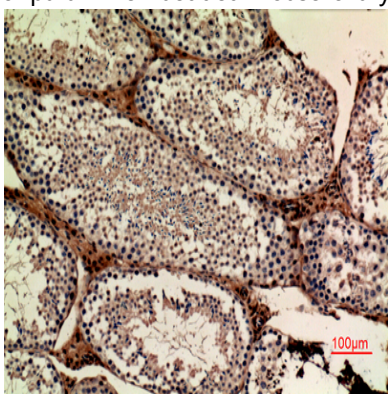


Western Blot analysis of extracts from K562 cells, using APLP-1 Polyclonal Antibody.. Secondary antibody was diluted at 1:20000

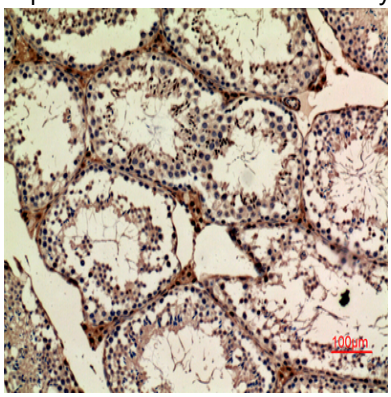
Product Name: APLP-1 Rabbit Polyclonal Antibody
Catalog #: APRab07013



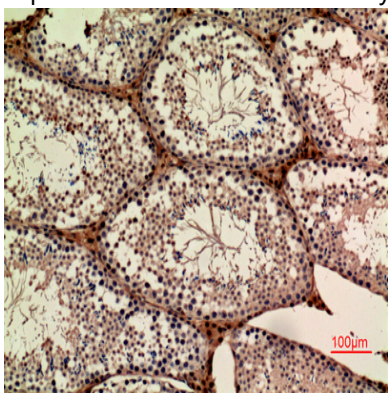
Immunohistochemical analysis of paraffin-embedded mouse-ovary, antibody was diluted at 1:100



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



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



Product Name: APLP-1 Rabbit Polyclonal Antibody
Catalog #: APRab07013

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

Note

For research use only.