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Anti-APLP2 Antibody

Catalog # AP50985

Product Information

Application	WB, IHC
Primary Accession	Q06481
Reactivity	Human, Mouse, Rat, Mk
Host	Rabbit
Clonality	Polyclonal
Calculated MW	86956

Additional Information

Gene ID	334
Other Names	APPL2; Amyloid-like protein 2; APLP-2; APPH; Amyloid protein homolog; CDEI box-binding protein; CDEBP
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human APLP2. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500
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

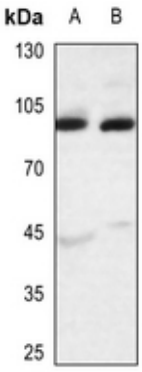
Protein Information

Name	APLP2 (HGNC:598)
Function	May play a role in the regulation of hemostasis. The soluble form may have inhibitory properties towards coagulation factors. May interact with cellular G protein signaling pathways. May bind to the DNA 5'-GTCACATG-3'(CDEI box). Inhibits trypsin, chymotrypsin, plasmin, factor XIA and plasma and glandular kallikrein. Modulates the Cu/Zn nitric oxide-catalyzed autodegradation of GPC1 heparan sulfate side chains in fibroblasts (By similarity).
Cellular Location	Cell membrane; Single-pass type I membrane protein. Nucleus
Tissue Location	Expressed in placenta, brain, heart, lung, liver, kidney and endothelial tissues

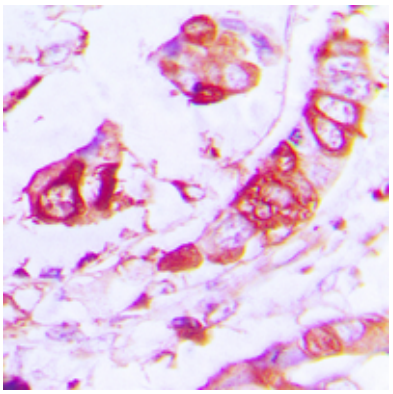
References

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Wasco W.,et al.Nat. Genet. 5:95-99(1993).
von der Kammer H.,et al.DNA Cell Biol. 13:1137-1143(1994).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Vostrov A.A.,et al.Submitted (AUG-1993) to the EMBL/GenBank/DDBJ databases.

Images



Western blot analysis of APLP2 expression in PC12 (A), A549 (B) whole cell lysates. (Predicted band size: 86 kD; Observed band size: 95 kD)



Immunohistochemical analysis of APLP2 staining in human lung cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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