

APLP2 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP14673b

Product Information

Application	WB, IHC-P, E
Primary Accession	Q06481
Other Accession	NP_001135748.1 , NP_001633.1
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB34434
Calculated MW	86956
Antigen Region	593-621

Additional Information

Gene ID	334
Other Names	Amyloid-like protein 2, APLP-2, APPH, Amyloid protein homolog, CDEI box-binding protein, CDEBP, APLP2, APPL2
Target/Specificity	This APLP2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 593-621 amino acids from the C-terminal region of human APLP2.
Dilution	WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	APLP2 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

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

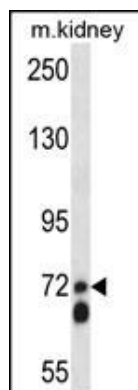
Background

APLP2 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.

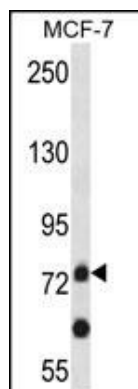
References

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Tuli, A., et al. J. Biol. Chem. 284(49):34296-34307(2009)
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Tuli, A., et al. J. Immunol. 181(3):1978-1987(2008)
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Images

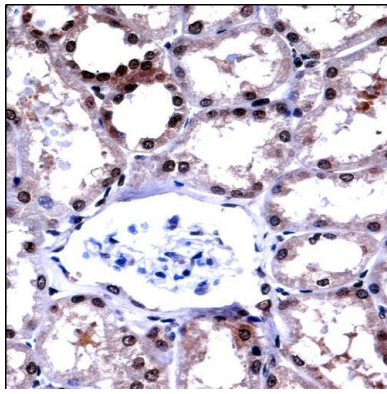


APLP2 Antibody (C-term) (Cat. #AP14673b) western blot analysis in mouse kidney tissue lysates (35ug/lane).This demonstrates the APLP2 antibody detected the APLP2 protein (arrow).



APLP2 Antibody (C-term) (Cat. #AP14673b) western blot analysis in MCF-7 cell line lysates (35ug/lane).This demonstrates the APLP2 antibody detected the APLP2 protein (arrow).

APLP2 Antibody (C-term) (AP14673b)immunohistochemistry analysis in formalin fixed and paraffin embedded human kidney tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of APLP2 Antibody (C-term) for



immunohistochemistry. Clinical relevance has not been evaluated.

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