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LPXN Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17801c

Product Information

Application	WB, E
Primary Accession	O60711
Other Accession	Q99N69, NP_004802.1
Reactivity	Human, Mouse
Predicted	Rat, Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB37022
Calculated MW	43332
Antigen Region	229-257

Additional Information

Gene ID	9404
Other Names	Leupaxin, LPXN, LDLP
Target/Specificity	This LPXN antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 229-257 amino acids from the Central region of human LPXN.
Dilution	WB~~1:1000 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	LPXN Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	LPXN
Synonyms	LDLP
Function	Transcriptional coactivator for androgen receptor (AR) and serum response

	factor (SRF). Contributes to the regulation of cell adhesion, spreading and cell migration and acts as a negative regulator in integrin-mediated cell adhesion events. Suppresses the integrin- induced tyrosine phosphorylation of paxillin (PXN). May play a critical role as an adapter protein in the formation of the adhesion zone in osteoclasts. Negatively regulates B-cell antigen receptor (BCR) signaling.
Cellular Location	Cytoplasm. Cell junction, focal adhesion. Nucleus. Cytoplasm, perinuclear region. Cell projection, podosome. Cell membrane. Note=Shuttles between the cytoplasm and nucleus. Recruited to the cell membrane following B-cell antigen receptor (BCR) cross-linking in B-cells. Enhanced focal adhesion kinase activity (PTK2/FAK) attenuates its nuclear accumulation and limits its ability to enhance serum response factor (SRF)-dependent gene transcription. Targeting to focal adhesions is essential for its tyrosine phosphorylation in response to bombesin
Tissue Location	Macrophages, monocytes and osteoclasts (at protein level). Strongly expressed in cells and tissues of hematopoietic origin. Highest expression in lymphoid tissues such as spleen, lymph node, thymus and appendix and in the vascular smooth muscle. Lower levels in bone marrow and fetal liver. Also expressed in peripheral blood lymphocytes and a number of hematopoietic cell lines. Very low levels found in epithelial cell lines. Expressed in prostate cancer (PCa) cells and its expression intensity is directly linked to PCa progression.

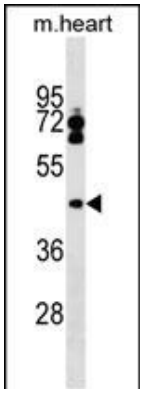
Background

The product encoded by this gene is preferentially expressed in hematopoietic cells and belongs to the paxillin protein family. Similar to other members of this focal-adhesion-associated adaptor-protein family, it has four leucine-rich LD-motifs in the N-terminus and four LIM domains in the C-terminus. It may function in cell type-specific signaling by associating with PYK2, a member of focal adhesion kinase family. As a substrate for a tyrosine kinase in lymphoid cells, this protein may also function in, and be regulated by, tyrosine kinase activity. Alternative splicing results in multiple transcript variants encoding distinct isoforms.

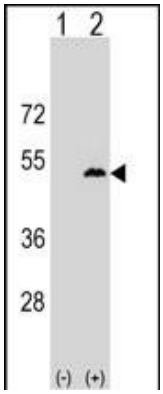
References

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Images



LPXN Antibody (Center) (Cat. #AP17801c) western blot analysis in mouse heart tissue lysates (35ug/lane).This demonstrates the LPXN antibody detected the LPXN protein (arrow).



Western blot analysis of LPXN (arrow) using rabbit polyclonal LPXN Antibody (Center) (Cat. #AP17801c). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the LPXN gene.

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