

For Research Use Only

LPXN Polyclonal antibody

Catalog Number: 11307-1-AP

Featured Product

2 Publications



Basic Information

Catalog Number:

11307-1-AP

Size:

150ul, Concentration: 500 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1845

GenBank Accession Number:

BC019035

GeneID (NCBI):

9404

UNIPROT ID:

O60711

Full Name:

leupaxin

Calculated MW:

43 kDa

Observed MW:

45 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:2000-1:10000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IF/ICC, IP, ELISA

Cited Applications:

IHC, IF

Species Specificity:

human

Cited Species:

mouse

Positive Controls:

WB : DU 145 cells, PC-3 cells

IP : PC-3 cells,

IF/ICC : PC-3 cells,

Background Information

LPXN, also known as Leupaxin, LDPL, belongs to the paxillin family. LPXN contributes to the regulation of cell adhesion, spreading, and cell migration and acts as a negative regulator in integrin-mediated cell adhesion events (PMID: 20543562). LPXN 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 the focal adhesion kinase family (PMID: 9565592). Studies in breast cancer implicate LPXN is involved in the regulation of ER action as a co-factor (PMID: 25955236). LPXN is expressed in prostate cancer cells and its expression intensity is directly linked to PCa progression (PMID: 18451096).

Notable Publications

Author	Pubmed ID	Journal	Application
Xinming Wang	34118218	J Mol Cell Cardiol	IF
Sun Chenchen	38625514	Mol Cell Biochem	IHC

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

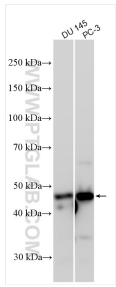
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

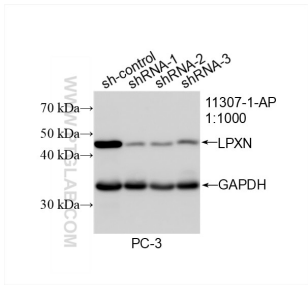
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

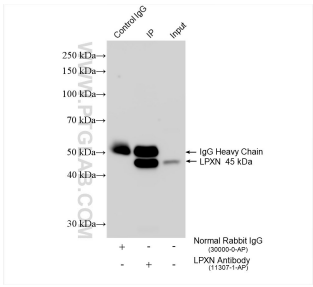
Selected Validation Data



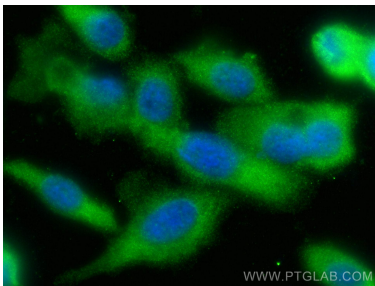
Various lysates were subjected to SDS PAGE followed by western blot with 11307-1-AP (LPXN antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



WB result of LPXN antibody (11307-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-LPXN transfected PC-3 cells.



IP result of anti-LPXN (IP:11307-1-AP, 4ug; Detection:11307-1-AP 1:5000) with PC-3 cells lysate 1575 ug.



Immunofluorescent analysis of (-20°C Ethanol) fixed PC-3 cells using LPXN antibody (11307-1-AP) at dilution of 1:400 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002).