For Research Use Only

LPXN Polyclonal antibody

Catalog Number:31231-1-AP

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
31231-1-AP

Concentration:
300 ug/ml

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG34956

GenBank Accession Number:
BC019035

GeneID (NCBI):
9404

UNIPROT ID:
O60711

Full Name:
leupaxin

Calculated MW:
43 kDa

Observed MW:
40-50 kDa

Purification Method:
Antigen affinity Purification

Recommended Dilutions:
WB 1:500-1:3000
IF/ICC 1:200-1:800

Applications

Tested Applications:
WB, IF/ICC, ELISA

Species Specificity:
human, mouse

Positive Controls:

WB : MDA-MB-231 cells, PC-3 cells, RAW 264.7 cells

IF/ICC : A549 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).

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

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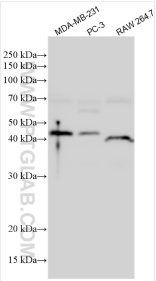
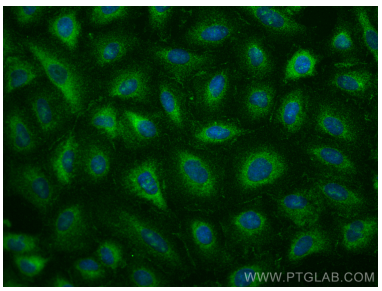
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 31231-1-AP (LPXN antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Methanol) fixed A549 cells using LPXN antibody (31231-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).