

For Research Use Only

LPXN Recombinant antibody

Catalog Number:83657-5-RR



Basic Information

Catalog Number: 83657-5-RR	GenBank Accession Number: BC019035	Purification Method: Protein A purification
Size: 1000 ug/ml	GeneID (NCBI): 9404	CloneNo.: 240483G10
Source: Rabbit	UNIPROT ID: O60711	Recommended Dilutions: WB 1:5000-1:50000 IF/ICC 1:125-1:500
Isotype: IgG	Full Name: leupaxin	
Immunogen Catalog Number: AG34956	Calculated MW: 43 kDa	
	Observed MW: 45 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls:
Species Specificity: human	WB : Ramos cells, Jurkat cells, MDA-MB-231 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).

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:

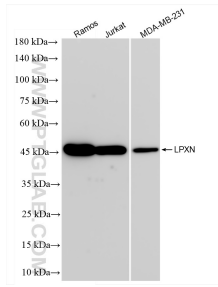
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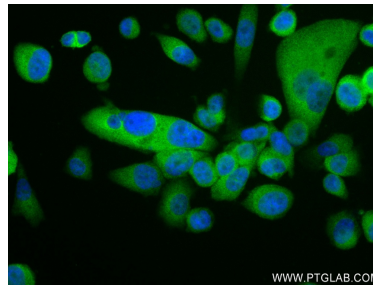
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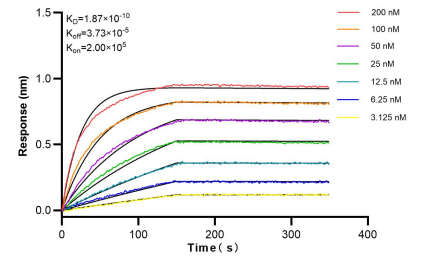
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83657-5-RR (LPXN antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed PC-3 cells using LPXN antibody (83657-5-RR, Clone: 240483G10) at dilution of 1:250 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Biacore interferometry (BLI) kinetic assays of 83657-5-RR against Human LPXN were performed. The affinity constant is 0.187 nM.