Product Name: KD-Validated LPP Recombinant Rabbit Monoclonal Antibody
Catalog #: KVAb01019
For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC,IHC-P
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000; IHC-P 1:100-1:200
Molecular Weight	Calculated MW: 65.7kDa

Antigen Information

Gene Name	LPP
Alternative Names	LIM Domain Containing Preferred Translocation Partner In Lipoma; LIM Domain-Containing Preferred Translocation Partner In Lipoma; Lipoma-Preferred Partner; Lipoma Preferred Partner Gene; Lipoma Preferred Partner; LIM Protein
Gene ID	4026.0
SwissProt ID	Q93052
Immunogen	A synthesized peptide derived from human LPP

Background

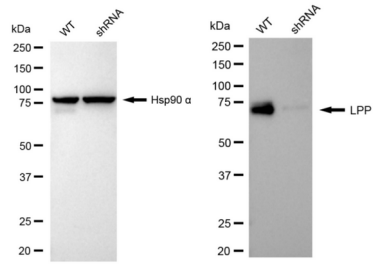
This gene encodes a member of a subfamily of LIM domain proteins that are characterized by an N-terminal proline-rich region and three C-terminal LIM domains. The encoded protein localizes to the cell periphery in focal adhesions and may be involved

in cell-cell adhesion and cell motility. This protein also shuttles through the nucleus and may function as a transcriptional co-activator. This gene is located at the junction of certain disease-related chromosomal translocations, which result in the expression of chimeric proteins that may promote tumor growth. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2014]

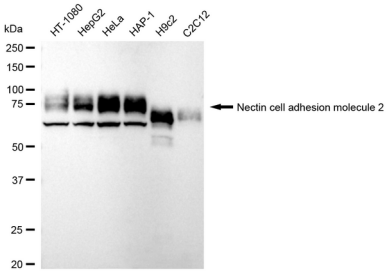
Research Area

Signal Transduction

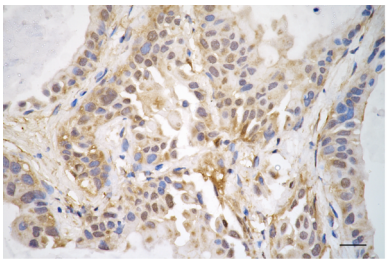
Image Data



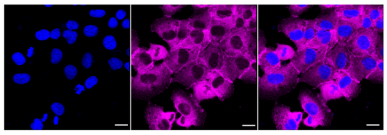
Western blotting analysis using LPP antibody (KVAb01019). LPP expression in wild type (WT) and LPP shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with LPP antibody (KVAb01019, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



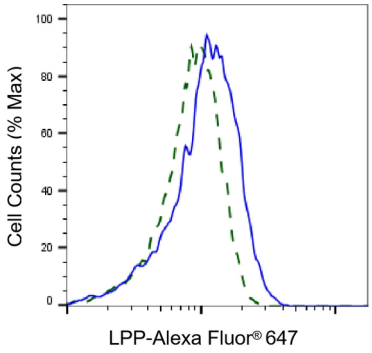
Western blotting analysis using LPP antibody (KVAb01019). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with LPP antibody (KVAb01019, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



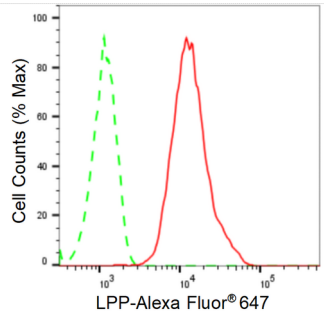
Immunohistochemistry was performed on paraffin-embedded human lung adenocarcinoma using LPP antibody (KVAb01019, 1:200). Antigen retrieval was done in sodium citrate buffer (pH 6.0). DAB was used for detection, with hematoxylin counterstaining. Images were acquired using a Nikon Ci-L Plus microscope (40× objective). Scale bar: 25 µm.



Immunocytochemical staining of HT-1080 cells with LPP antibody (KVAb01019, 1:1,000). Nuclei were stained blue with DAPI; LPP was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar: 20 µm.



Validation of LPP knockdown using flow cytometry. Wild-type(WT, Blue) and knockdown(KD, Green) HeLa cells were stained with LPP antibody (KVAb01019, 1:2,000) and analyzed using BD flow cytometer.



Flow cytometric analysis of LPP expression in HT-1080 cells using LPP antibody (KVAb01019, 1:2,000). Green, isotype control; red, LPP.