LPP monoclonal antibody

Catalog: MB66629 Host: Mouse Reactivity: Human, Mouse, Rat, Monkey, Hamster

BackGround:

LIM-containing lipoma-preferred partner (LPP) belongs to the zyxin family, members of which include LIMD1, ajuba, trip6 and zyxin. Three LIM domains at the carboxy-terminus characterize this family of proteins. Zyxin family members associate with the actin cytoskeleton and are components of both the cell-cell junction adhesive complex and the integrin-mediated adhesive complex. They shuttle in and out of the nucleus where they may function in transcriptional activation. LPP binding partners at cell-cell contacts include the actin regulator α-actinin and the human tumor suppressor scrib which regulates cell migration and polarity.

Product:

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.

Molecular Weight:

~ 65 kDa

Swiss-Prot:

Q93052

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/1000), IHC (1/50 - 1/100), IF/ICC (1/50 - 1/100), IP (1/10 - 1/50)

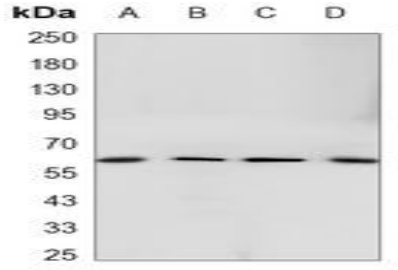
Storage&Stability:

Store at 4℃ short term. Aliquot and store at -20℃ long term. Avoid freeze-thaw cycles.

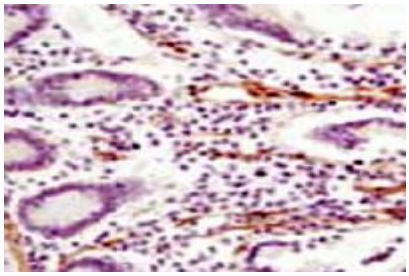
Specificity:

Recognizes endogenous levels of LPP protein.

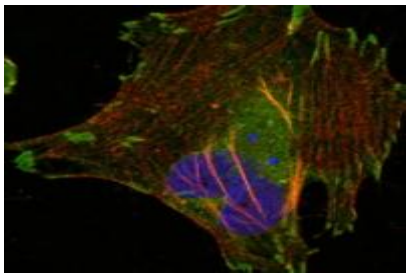
DATA:



Western blot analysis of LPP expression in A549 (A), MCF7 (B), C6 (C), Hela (D) whole cell lysates.



Immunohistochemical analysis of LPP staining in human vesselss formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.145). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of LPP staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 ℃ in a hidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated sec-

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ondary antibody (green) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

Note:

For research use only, not for use in diagnostic procedure.

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