Human/Mouse LPP Antibody

Monoclonal Mouse IgG_{2B} Clone # 691121

Catalog Number: MAB6927

DESCRIPTION

Species Reactivity	Human/Mouse
Specificity	Detects human LPP in direct ELISAs. In direct ELISAs, no cross-reactivity with recombinant human TRIP-4, -6, or -11 is observed.
Source	Monoclonal Mouse IgG_{2B} Clone # 691121
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	*E. coli*-derived recombinant human LPP Lys138-Gln261 Accession # Q93052
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

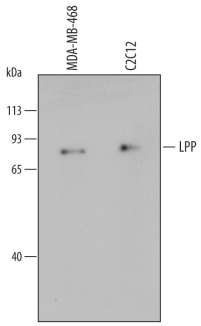
APPLICATIONS

Please Note: *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

	Recommended Concentration	Sample
Western Blot	0.5 µg/mL	See Below

DATA

Western Blot



Detection of Human and Mouse LPP by Western Blot. Western blot shows lysates of MDA-MB-468 human breast cancer cell line and C2C12 mouse myoblast cell line. PVDF membrane was probed with 0.5 µg/mL of Mouse Anti-Human LPP Monoclonal Antibody (Catalog # MAB6927) followed by HRP-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # HAF007). A specific band was detected for LPP at approximately 80 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

PREPARATION AND STORAGE

Reconstitution	Sterile PBS to a final concentration of 0.5 mg/mL.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	**Use a manual defrost freezer and avoid repeated freeze-thaw cycles.** ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

Human LIM domain-containing preferred translocation partner in lipoma (LPP) is an 80 kDa intracellular protein that contains an N-terminal Pro-rich region (aa 41-370) followed by three tandem LIM domains (aa 414-603). It localizes to focal adhesion plaques where it regulates junction assembly and cytoskeleton remodeling through interactions with a-Actinin, VASP, SCRIB, Supervillin, and Palladin. In the nucleus, LPP coactivates the transcription factor PEA3 and protects telomeres from DNA damage. LPP is a frequent target of chromosomal translocations with HMG-A2 in lipoma. Within aa 138-261, human LPP shares 90% and 77% aa sequence identity with mouse and rat LPP, respectively.

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