

DESCRIPTION

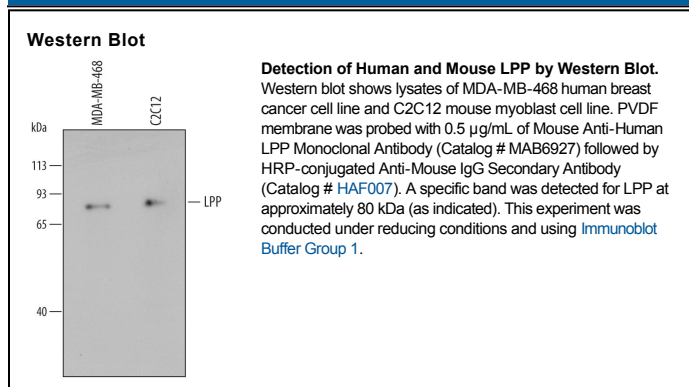
Species Reactivity	Human/Mouse
Specificity	Detects human LPP in direct ELISAs. In direct ELISAs, no cross-reactivity with recombinant human TRIP-4, -6, or -11 is observed.
Source	Monoclonal Mouse IgG _{2B} Clone # 691121
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -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 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



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. <ul style="list-style-type: none"> ● 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, Supravillin, 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.