Human/Mouse LPP Alexa Fluor® 405-conjugated Antibody

Monoclonal Mouse IgG_{2B} Clone # 691121

Catalog Number: FAB6927V

100 µg

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
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

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.*

Western Blot	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

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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