

LPP (N-20): sc-27312

BACKGROUND

The zyxin family of proteins contains five members, Ajuba, LIMD1, LPP, TRIP6 and Zyxin. LPP (LIM-containing lipoma-preferred partner), a LIM domain-containing scaffolding protein contains three LIM domains at its carboxy terminus, which are preceded by a proline-rich pre-LIM region containing a number of protein interaction domains. LPP localizes to sites of cell adhesion, such as focal adhesions and cell-cell contacts, and shuttles to the nucleus where it has transcriptional activation capacity. The human LPP gene maps to chromosomal location 3q28, and preferentially translocates to the HMGIC gene in a subclass of human benign mesenchymal tumors known as lipomas.

REFERENCES

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2. Petit, M.M., et al. 1996. LPP, the preferred fusion partner gene of HMGIC in lipomas, is a novel member of the LIM protein gene family. *Genomics* 36: 118-129.
3. Petit, M.M., et al. 2000. LPP, an actin cytoskeleton protein related to Zyxin, harbors a nuclear export signal and transcriptional activation capacity. *Mol. Biol. Cell* 11: 117-129.
4. Daheron, L., et al. 2001. Human LPP gene is fused to MLL in a secondary acute leukemia with a t(3;11)(q28;q23). *Genes Chromosomes Cancer* 31: 382-389.
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CHROMOSOMAL LOCATION

Genetic locus: LPP (human) mapping to 3q28; Lpp (mouse) mapping to 16 B1.

SOURCE

LPP (N-20) is an affinity purified goat polyclonal antibody raised against a peptide mapping at the N-terminus of LPP of human origin.

PRODUCT

Each vial contains 200 μ g IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-27312 P, (100 μ g peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

STORAGE

Store at 4° C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

APPLICATIONS

LPP (N-20) is recommended for detection of LPP of mouse, rat and human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 μ g per 100-500 μ g of total protein (1 ml of cell lysate)], immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

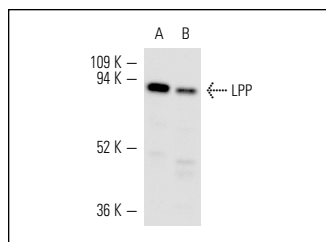
LPP (N-20) is also recommended for detection of LPP in additional species, including equine, canine and bovine.

Suitable for use as control antibody for LPP siRNA (h): sc-45969, LPP siRNA (m): sc-45970, LPP shRNA Plasmid (h): sc-45969-SH, LPP shRNA Plasmid (m): sc-45970-SH, LPP shRNA (h) Lentiviral Particles: sc-45969-V and LPP shRNA (m) Lentiviral Particles: sc-45970-V.

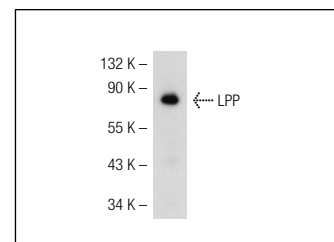
Molecular Weight of LPP: 80 kDa.

Positive Controls: HeLa whole cell lysate: sc-2200 or Caco-2 cell lysate: sc-2262.

DATA



LPP (N-20): sc-27312. Western blot analysis of LPP expression in HeLa (A) and Caco-2 (B) whole cell lysates.



LPP (N-20): sc-27312. Western blot analysis of LPP expression in HeLa whole cell lysate.

RESEARCH USE

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

PROTOCOLS

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Try **LPP (8B3A11): sc-101434**, our highly recommended monoclonal alternative to LPP (N-20).