

Anti-LPP Antibody

Catalog # ABO11348

Product Information

Application	WB
Primary Accession	Q93052
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Lipoma-preferred partner(LPP) detection. Tested with WB in Human.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	4026
Other Names	Lipoma-preferred partner, LIM domain-containing preferred translocation partner in lipoma, LPP
Calculated MW	65746
Application Details	Western blot, 0.1-0.5 µg/ml, Human
Subcellular Localization	Nucleus. Cytoplasm. Cell junction. Cell membrane. Found in the nucleus, in the cytoplasm and at cell adhesion sites. Shuttles between the cytoplasm and the nucleus. It has been found in sites of cell adhesion such as cell-to-cell contact and focal adhesion which are membrane attachment sites of cells to the extracellular matrix. Mainly nuclear when fused with HMGA2/HMGIC and KMT2A/MLL1.
Tissue Specificity	Expressed in a wide variety of tissues but no or very low expression in brain and peripheral leukocytes. .
Source	Eukaryota
Protein Name	Lipoma-preferred partner
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ .
Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human LPP(291-307aa PNQGRYYEGYYAAGPGY).
Purification	Immunogen affinity purified.

Cross Reactivity	No cross reactivity with other proteins
Storage	At -20 °C for one year. After reconstitution, at 4 °C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.
Sequence Similarities	Belongs to the zyxin/ajuba family.

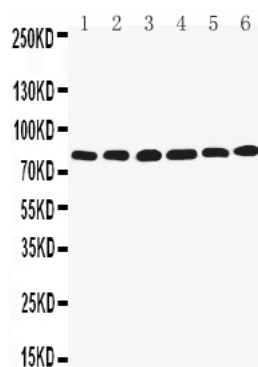
Protein Information

Name	LPP
Function	May play a structural role at sites of cell adhesion in maintaining cell shape and motility. In addition to these structural functions, it may also be implicated in signaling events and activation of gene transcription. May be involved in signal transduction from cell adhesion sites to the nucleus allowing successful integration of signals arising from soluble factors and cell-cell adhesion sites. Also suggested to serve as a scaffold protein upon which distinct protein complexes are assembled in the cytoplasm and in the nucleus.
Cellular Location	Nucleus. Cytoplasm. Cell junction. Cell membrane. Note=Found in the nucleus, in the cytoplasm and at cell adhesion sites Shuttles between the cytoplasm and the nucleus. It has been found in sites of cell adhesion such as cell-to-cell contact and focal adhesion which are membrane attachment sites of cells to the extracellular matrix. Mainly nuclear when fused with HMGA2/HMGIC and KMT2A/MLL1
Tissue Location	Expressed in a wide variety of tissues but no or very low expression in brain and peripheral leukocytes

Background

LPP(Lim Domain-Containing Preferred Translocation Partner in Lipoma) is a protein that in humans is encoded by the LPP gene. Petit et al.(1996) commented that the LPP-encoded protein should be classified as a novel member of the group 3 proteins of the LIM protein gene family. By partial cDNA cloning, Petit et al.(1996) established features of the genetic organization of LPP. The gene was found to span a genomic region of over 400 kb. By FISH and Southern blot analyses, Daheron et al.(2001) identified a rearrangement in the mixed lineage leukemia gene due to a novel t(3;11)(q28;q23) translocation in a patient who developed acute myeloid leukemia of the M5 type 3 years after treatment for a follicular lymphoma.

Images



Anti-LPP antibody, ABO11348, Western blotting
Lane 1: SMMC Cell Lysate
Lane 2: HELA Cell Lysate
Lane 3: SW620 Cell Lysate
Lane 4: A549 Cell Lysate
Lane 5: SKOV Cell Lysate
Lane 6: MCF-7 Cell Lysate

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