



## Rabbit Anti-LIM protein/LPP antibody

SL3861R

<b>Product Name:</b>	LIM protein/LPP
<b>Chinese Name:</b>	脂肪瘤相关蛋白抗体
<b>Alias:</b>	DKFZp779O0231; FLJ30652; FLJ41512; LIM domain containing preferred translocation partner in lipoma; LIM domain-containing preferred translocation partner in lipoma; LIM protein; Lipoma preferred partner; Lipoma-preferred partner; lpp; LPP HUMAN.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Chicken,Dog,Cow,Horse,Rabbit,
<b>Applications:</b>	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	80kDa
<b>Cellular localization:</b>	The nucleuscytoplasmic
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human LIM protein:411-510/612
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	LPP (LIM containing lipoma preferred partner), is a scaffolding protein which contains three LIM domains at its carboxy terminus, 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 may be involved in cell-cell

adhesion and cell motility. LPP also shuttles through the nucleus and may function as a transcriptional co-activator. 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. Alternate splicing results in multiple transcript variants.

**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.

**Subcellular Location:**

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 MLL.

**Tissue Specificity:**

Expressed in a wide variety of tissues but no or very low expression in brain and peripheral leukocytes.

**DISEASE:**

Note=A chromosomal aberration involving LPP is associated with a subclass of benign mesenchymal tumors known as lipomas. Translocation t(3;12)(q27-q28;q13-q15) with HMGA2 is shown in lipomas.

Note=A chromosomal aberration involving LPP is associated with pulmonary chondroid hamartomas. Translocation t(3;12)(q27-q28;q14-q15) with HMGA2 is detected in pulmonary chondroid hamartomas.

Note=A chromosomal aberration involving LPP is associated with parosteal lipomas. Translocation t(3;12)(q28;q14) with HMGA2 is also shown in one parosteal lipoma.

Note=A chromosomal aberration involving LPP is associated with acute monoblastic leukemia. Translocation t(3;11)(q28;q23) with MLL is associated with acute monoblastic leukemia.

**Similarity:**

Belongs to the zyxin/ajuba family.  
Contains 3 LIM zinc-binding domains.

**SWISS:**

Q93052

**Gene ID:**  
4026

**Database links:**

[Entrez Gene: 4026](#) Human

[Entrez Gene: 210126](#) Mouse

[Omim: 600700](#) Human

[SwissProt: Q93052](#) Human

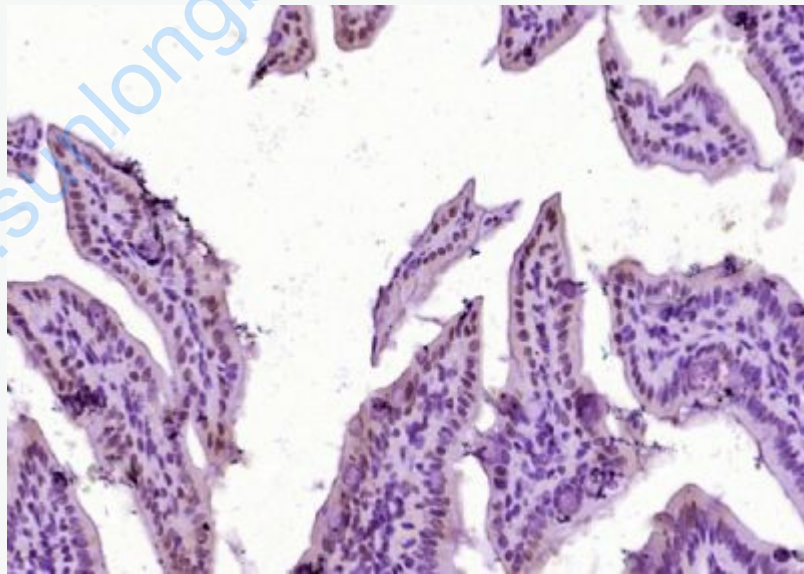
[SwissProt: Q8BFW7](#) Mouse

[Unigene: 5724](#) Human

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

**Picture:**



Paraformaldehyde-fixed, paraffin embedded (mouse intestine tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat

serum) at 37°C for 30min; Antibody incubation with (LIM protein) Polyclonal Antibody, Unconjugated (SL3861R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

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