



## Rabbit Anti-Liprin alpha 1 antibody

SL11463R

<b>Product Name:</b>	Liprin alpha 1
<b>Chinese Name:</b>	酪氨酸磷酸酶受体相互作用蛋白Liprin $\alpha$ 1抗体
<b>Alias:</b>	PPFIA1; LAR interacting protein 1; LIP 1; LIP.1; LIP1; LIPRIN; MGC26800; PPFIA 1; PPFIA1; Protein tyrosine phosphatase receptor type f polypeptide (PTPRF) interacting protein (liprin) alpha 1; Protein tyrosine phosphatase receptor type f polypeptide interacting protein alpha 1; PTPRF interacting protein alpha 1; LIPA1 HUMAN.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Sheep,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=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>	136kDa
<b>Cellular localization:</b>	cytoplasmicThe cell membrane
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human Liprin alpha 1:141-190/1202
<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 癆 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癆. 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 癆.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	The protein encoded by this gene is a member of the LARprotein-tyrosine phosphatase-interacting protein (liprin) family.Liprins interact with members of LAR family of

transmembraneprotein tyrosine phosphatases, which are known to be important for axon guidance and mammary gland development. This protein binds to the intracellular membrane-distal phosphatase domain of tyrosine phosphatase LAR, and appears to localize LAR to cell focal adhesions. This interaction may regulate the disassembly of focal adhesion and thus help orchestrate cell-matrix interactions. Alternatively spliced transcript variants encoding distinct isoforms have been described. [provided by RefSeq, Jul 2008].

**Function:**

This protein is a member of the LAR protein-tyrosine phosphatase-interacting protein (liprin) family. Liprins interact with members of LAR family of transmembrane protein tyrosine phosphatases, which are known to be important for axon guidance and mammary gland development. This protein binds to the intracellular membrane-distal phosphatase domain of tyrosine phosphatase LAR, and appears to localize LAR to cell focal adhesions. This interaction may regulate the disassembly of focal adhesion and thus help orchestrate cell-matrix interactions.

**Subunit:**

Forms homodimers and heterodimers with liprins-alpha and liprins-beta. Interacts with the second PTPase domain of PTPRD, PTPRF and PTPRS. Interacts with GIT1, KIF1A and GRIP1

**Subcellular Location:**

Cytoplasm. Note=Colocalizes with PTPRF at the ends of focal adhesions most proximal to the cell nucleus.

**Tissue Specificity:**

Ubiquitous.

**Post-translational modifications:**

Phosphorylated upon DNA damage, probably by ATM or ATR.

**Similarity:**

Belongs to the liprin family. Liprin-alpha subfamily.  
Contains 3 SAM (sterile alpha motif) domains.

**SWISS:**

Q13136

**Gene ID:**

8500

**Database links:**

[Entrez Gene: 8500](#) Human

[Entrez Gene: 233977](#) Mouse

[Entrez Gene: 293645](#) Rat

[Omin: 611054](#) Human

[SwissProt: Q13136](#) Human

[Unigene: 530749](#) Human

[Unigene: 708791](#) Human

**Important Note:**

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

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