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[Primary Antibody]

Rabbit Anti-Liprin alpha 1 antibody

Catalog Number: SL11463R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Liprin alpha 1
Immunogen:	KLH conjugated synthetic peptide derived from human Liprin alpha 1: 141-190/1202
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 IHC-P=1:100-500 IHC-F=1:100-500 ICC/IF=1:100-500 IF=1:100-500 ELISA=1:5000-10000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	(predicted: Human, Mouse, Rat, Dog, Pig, Cow, Horse, Sheep)
Predicted MW.:	136kDa
Subcellular Location:	cytoplasmic The cell membrane
Background:	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 foraxon guidance and mammary gland development. This protein binds tothe intracellular membrane-distal phosphatase domain of tyrosinephosphatase LAR, and appears to localize LAR to cell focaladhesions. This interaction may regulate the disassembly of focaladhesion and thus help orchestrate cell-matrix interactions.Alternatively spliced transcript variants encoding distinctisoforms have been described. [provided by RefSeq, Jul

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	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 andliprins-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 atthe 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. **Database links:** **Entrez Gene:** 8500 Human **Entrez Gene:** 233977 Mouse **Entrez Gene:** 293645 Rat Omim: 611054 Human **SwissProt:** Q13136 Human **Unigene:** 530749 Human **Unigene:** 708791 Human

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