

Liprin alpha 1 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP54512

Specification

Liprin alpha 1 Polyclonal Antibody - Product Information

Application	WB, IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q13136
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	136 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human Liprin alpha 1
Epitope Specificity	141-190/1202
Isotype	IgG
Purity	
affinity purified by Protein A	
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cytoplasm. Note=Colocalizes with PTPRF at the ends of focal adhesions most proximal to the cell nucleus.
SIMILARITY	Belongs to the liprin family. Liprin-alpha subfamily. Contains 3 SAM (sterile alpha motif) domains.
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
Post-translational modifications	Phosphorylated upon DNA damage, probably by ATM or ATR.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Background Descriptions

The protein encoded by this gene 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. Alternatively spliced transcript variants encoding distinct isoforms have been described. [provided by RefSeq, Jul 2008].

Liprin alpha 1 Polyclonal Antibody - Additional Information

Gene ID 8500**Other Names**

Liprin-alpha-1, LAR-interacting protein 1, LIP-1, Protein tyrosine phosphatase receptor type f polypeptide-interacting protein alpha-1, PTPRF-interacting protein alpha-1, PPFIA1, LIP1

Target/Specificity

Ubiquitous.

Dilution

WB~~1:1000<br \>IHC-P~~N/A<br \>IHC-F~~N/A<br \>IF~~1:50~200<br \>ICC~~N/A<br \>E~~N/A

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

Liprin alpha 1 Polyclonal Antibody - Protein Information

Name PPFIA1

Synonyms LIP1

Function

May regulate the disassembly of focal adhesions. May localize receptor-like tyrosine phosphatases type 2A at specific sites on the plasma membrane, possibly regulating their interaction with the extracellular environment and their association with substrates.

Cellular Location

Cytoplasm, cell cortex. Cytoplasm Note=Colocalizes with PTPRF near focal adhesions

Tissue Location

Ubiquitous.

Liprin alpha 1 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Liprin alpha 1 Polyclonal Antibody - Images