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# Liprin alpha 1 Rabbit pAb

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Catalog # AP54512

## Product Information

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| **Application** | WB, IHC-P, IHC-F, IF |
| **Primary Accession** | Q13136 |
| **Predicted** | Rat, Pig, Dog, Human, Mouse, Horse, Sheep |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Calculated MW** | 135779 |
| **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 atthe ends of focal adhesions most proximal to the cell nucleus. |
| **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 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 2008]. |

## Additional Information

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| **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 |
| **Dilution** | 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 |
| **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. |

## Protein Information

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| **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. |

## Background

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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.