
Product Name: Liprin β 1 Rabbit Polyclonal Antibody**Catalog #: APRab13329**

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,IHC
Reactivity	Human,Mouse
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:50-1:300
Molecular Weight	115kDa

Antigen Information

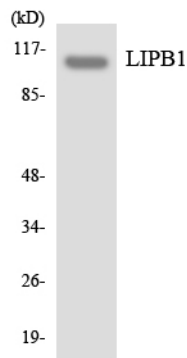
Gene Name	PPFIBP1
Alternative Names	PPFIBP1; KIAA1230; Liprin-beta-1; Protein tyrosine phosphatase receptor type f polypeptide-interacting protein-binding protein 1; PTPRF-interacting protein-binding protein 1; hSGT2
Gene ID	8496.0
SwissProt ID	Q86W92
Immunogen	The antiserum was produced against synthesized peptide derived from human LIPB1. AA range:300-349

Background

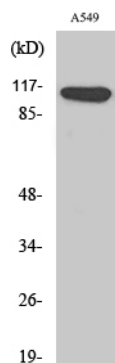
The protein encoded by this gene is a member of the LAR protein-tyrosine phosphatase-interacting protein (liprin) family. Liprins interact with members of LAR family of transmembrane protein tyrosine phosphatases, which are known to be important for axon guidance and mammary gland development. It has been proposed that liprins are multivalent proteins that form complex structures and act as scaffolds for the recruitment and anchoring of LAR family of tyrosine phosphatases. This protein was found to interact with S100A4, a calcium-binding protein related to tumor invasiveness and metastasis. In vitro experiment demonstrated that the interaction inhibited the phosphorylation of this protein by protein kinase C and protein kinase CK2. Alternatively spliced transcript variants encoding distinct isoforms have been reported. [provided by RefSeq, Jul 2008],domain:The N-terminal coiled coil regions mediate homodimerization preferentially and heterodimerization type beta/beta. The C-terminal, non-coiled coil regions mediate heterodimerization type beta/alpha and interaction with S100A4.,function:May regulate the disassembly of focal adhesions. Did not bind receptor-like tyrosine phosphatases type 2A.,similarity:Belongs to the liprin family. Liprin-beta subfamily.,similarity:Contains 3 SAM (sterile alpha motif) domains.,subunit:Forms homodimers and heterodimers. Interacts with S100A4 in a calcium-dependent mode.,tissue specificity:Widely expressed. Absent in liver.,

Research Area

Image Data



Western blot analysis of the lysates from COLO205 cells using LIPB1 antibody.



Western Blot analysis of various cells using Liprin β 1 Polyclonal Antibody diluted at 1: 2000