



Catalog No	YP-Ab-10376
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;ELISA;IHC
Gene Name	LCP1 PLS2
Immunogen	Synthesized phosho peptide around human LCP1 (Tyr28)
Specificity	This antibody detects endogenous levels of Human LCP1 (phospho-Tyr28)
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Dilution	WB 1:500-2000;IHC-p 1:50-300; ELISA 2000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	LCP1;L PLASTIN;LCP 1;LCP-1;LPL;LCP1 PLS2;LCP1 (Tyr28);Plastin-2 (L-plastin) (LC64P) (Lymphocyte cytosolic protein 1) (LCP-1)
Observed Band	68kD
Calculated Molecular Weight	68kD
Cell Pathway	Cytoplasm, cytoskeleton . Cell junction . Cell projection . Cell projection, ruffle membrane ; Peripheral membrane protein ; Cytoplasmic side . Relocalizes to the immunological synapse between peripheral blood T-lymphocytes and antibody-presenting cells in response to costimulation through TCR/CD3 and CD2 or CD28 (PubMed:17294403). Associated with the actin cytoskeleton at membrane ruffles. Relocalizes to actin-rich cell projections upon serine phosphorylation (PubMed:16636079). .
Tissue Specificity	Detected in intestinal microvilli, hair cell stereocilia, and fibroblast filopodia, in spleen and other lymph node-containing organs. Expressed in peripheral blood T-lymphocytes, neutrophils, monocytes, B-lymphocytes, and myeloid cells.
Function	function:Actin-binding protein found in intestinal microvilli, hair cell stereocilia, and fibroblast filopodia.,PTM:Phosphorylated.,PTM:The N-terminus is blocked.,similarity:Contains 2 actin-binding domains.,similarity:Contains 2 EF-hand domains.,similarity:Contains 4 CH (calponin-homology) domains.,subunit:Monomer.,tissue specificity:Restricted to the spleen and other lymph node-containing organs. Expressed in neutrophils, monocytes, B lymphocytes, and myeloid cells.,



Background

Plastins are a family of actin-binding proteins that are conserved throughout eukaryote evolution and expressed in most tissues of higher eukaryotes. In humans, two ubiquitous plastin isoforms (L and T) have been identified. Plastin 1 (otherwise known as Fimbrin) is a third distinct plastin isoform which is specifically expressed at high levels in the small intestine. The L isoform is expressed only in hemopoietic cell lineages, while the T isoform has been found in all other normal cells of solid tissues that have replicative potential (fibroblasts, endothelial cells, epithelial cells, melanocytes, etc.). However, L-plastin has been found in many types of malignant human cells of non-hemopoietic origin suggesting that its expression is induced accompanying tumorigenesis in solid tissues. [provided by RefSeq, Jul 2008],

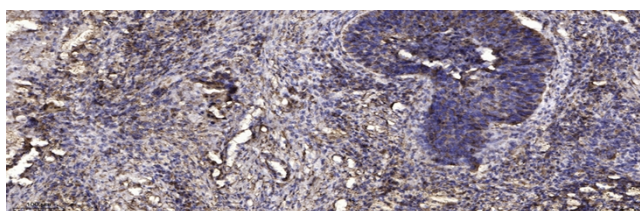
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Immunohistochemical analysis of paraffin-embedded human Squamous cell carcinoma of lung. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).