LCP1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	LCP1, Polyclonal Antibody
Full Product Name	LCP1 (Phospho-Tyr28) rabbit pAb
Product Gene Name	anti-LCP1 antibody
Product Synonym Names	Plastin-2 (L-plastin)(LC64P)(Lymphocyte cytosolic protein 1)(LCP-1)
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Purity/Purification	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Concentration	1mg/ml (lot specific)
Specificity	This antibody detects endogenous levels of Human LCP1 (phospho-Tyr28)
Preparation and Storage	Store at -20 degree C for 1 year
Molecular Weight	70,288 Da
OMIM	153430
3D Structure	ModBase 3D Structure for P13796
Immunogen	Synthesized phosho peptide around human LCP1 (Tyr28)
Product Categories/Family for anti-LCP1 antibody	Primary Antibodies
Applications Tested/Suitable for anti-LCP1 antibody	Western Blot (WB)
Application Notes for anti-LCP1 antibody	WB: 1:1000-2000
Related Product Information for anti-LCP1 antibody	lymphocyte cytosolic protein 1 (LCP1), Homo sapiens. 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]
Other Notes	Small volumes of anti-LCP1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for LCP1 purchase	MBS9458916 is an antibody targeting LCP1. Also known as LCP1 (Phospho-Tyr28) rabbit pAb. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for LCP1. It may not necessarily be applicable to this product.

NCBI GI #	119629163
NCBI GeneID	3936
NCBI Accession #	EAX08758.1
UniProt Primary Accession #	P13796
UniProt Secondary Accession #	Q5TBN4; B2R613
UniProt Related Accession #	P13796
NCBI Official Full Name	lymphocyte cytosolic protein 1 (L-plastin), isoform CRA_a
NCBI Official Synonym Full Names	lymphocyte cytosolic protein 1 (L-plastin)
NCBI Official Symbol	LCP1
NCBI Official Synonym Symbols	LPL; CP64; PLS2; LC64P; HEL-S-37; L-PLASTIN
UniProt Protein Name	Plastin-2
UniProt Synonym Protein Names	L-plastin; LC64P; Lymphocyte cytosolic protein 1
Protein Family	Digestive cysteine proteinase
UniProt Gene Name	LCP1
UniProt Synonym Gene Names	PLS2; LCP-1
UniProt Entry Name	PLSL_HUMAN
NCBI Protein Information	plastin-2; LCP-1; plastin 2; epididymis secretory protein Li 37; Lymphocyte cytosolic protein-1 (plasmin); bA139H14.1 (lymphocyte cytosolic protein 1 (L-plastin)); L-plastin (Lymphocyte cytosolic protein 1) (LCP-1) (LC64P)
NCBI Summary for LCP1	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]
UniProt Comments for LCP1	L-plastin: Actin-binding protein. Plays a role in the activation of T-cells in response to costimulation through TCR/CD3 and CD2 or CD28. Modulates the cell surface expression of IL2RA/CD25 and CD69. Monomer. Interacts with AIF1. 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. Protein type: Motility/polarity/chemotaxis; Actin-binding Chromosomal Location of Human Ortholog: 13q14.3 Cellular Component: ruffle; extracellular space; focal adhesion; cytoplasm; stress fiber; actin filament bundle; plasma membrane; actin filament; cytosol; filopodium; actin cytoskeleton; phagocytic cup Molecular Function: actin filament binding; identical protein binding; calcium ion binding; actin binding Biological Process: actin filament bundle formation; cell migration; organ regeneration; regulation of intracellular protein transport; T cell activation during immune response
Research Articles on LCP1	**1.** LCP1 is functionally relevant to CXCL12 induced B-cell migration.

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