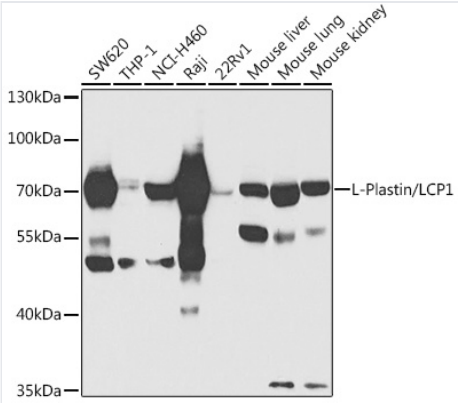
LCP1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	LCP1, Polyclonal Antibody
Full Product Name	LCP1 Rabbit Polyclonal Antibody
Product Gene Name	anti-LCP1 antibody
Product Synonym Names	LCP1; CP64; HEL-S-37; L-PLASTIN; LC64P; LPL; PLS2; plastin-2
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Purity/Purification	Affinity purification
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.
Molecular Weight	70,288 Da
OMIM	153430
3D Structure	ModBase 3D Structure for P13796
Immunogen	Recombinant fusion protein of human L-Plastin/LCP1 (NP_002289.2).
Product Categories/Family for anti-LCP1 antibody	Primary Antibody
Applications Tested/Suitable for anti-LCP1 antibody	Western Blot (WB)
Application Notes for anti-LCP1 antibody	WB: 1:500-1:2000
Related Product Information for anti-LCP1 antibody	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.
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	MBS9464879 is an antibody targeting LCP1. Also known as LCP1 Rabbit Polyclonal Antibody. Reactive in Human, Mouse. Host: Rabbit.



Western Blot (WB) of anti-LCP1 antibody
Western blot analysis of extracts of various cell lines, using L-Plastin/LCP1 antibody.

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)

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.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-mouse-antibody/lcp1/9464879