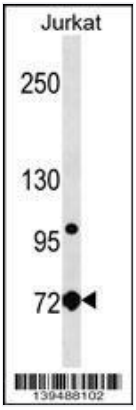
LCP1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	LCP1, Polyclonal Antibody
Full Product Name	LCP1, ID (LCP1, PLS2, Plastin-2, L-plastin, LC64P, Lymphocyte cytosolic protein 1) (AP)
Product Gene Name	anti-LCP1 antibody
Product Synonym Names	LCP1; PLS2; Plastin-2; L-plastin; LC64P; Lymphocyte cytosolic protein 1
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Alkaline Phosphatase (AP).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	70,288 Da
Chromosome Location	Chromosome: 13; NC_000013.10 (46700058..46756459, complement). Location: 13q14.3
OMIM	153430
3D Structure	ModBase 3D Structure for P13796
Immunogen	LCP1 antibody is generated from rabbits immunized with a KLH conjugated synthetic between 305-335 amino acids selected from the Central region of human LCP1.
Conjugate	AP
Note	Preservative Free
Product Categories/Family for anti-LCP1 antibody	Antibodies; Actin Related Proteins
Applications Tested/Suitable for anti-LCP1 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-LCP1 antibody	WB: 1:100-500 ELISA: 1:1,000 Applications are based on unconjugated antibody.
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.
Product References and Citations for anti-LCP1 antibody	Wabnitz, G.H., et al. Eur. J. Immunol. 40(9):2437-2449(2010). Janji, B., et al. J. Cell. Mol. Med. 14 (6A), 1264-1275 (2010): Le Goff, E., et al. Cytoskeleton (Hoboken) 67(5):286-296(2010). Al Tanoury, Z., et al. PLoS ONE 5 (2), E9210 (2010): Malhotra, A., et al. Diabetes Metab. Res. Rev. 25(8):740-747(2009).

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	MBS6315547 is an antibody targeting LCP1. Also known as LCP1, ID (LCP1, PLS2, Plastin-2, L-plastin, LC64P, Lymphocyte cytosolic protein 1) (AP). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-LCP1 antibody
LCP1 Antibody (Center) western blot analysis in Jurkat cell line lysates (35ug/lane).This demonstrates the LCP1 antibody detected the LCP1 protein (arrow).

ADDITIONAL DETAILS

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

NCBI GI #	167614506
NCBI GeneID	3936
NCBI Accession #	NP_002289.2
UniProt Primary Accession #	P13796
UniProt Secondary Accession #	Q5TBN4; B2R613
UniProt Related Accession #	P13796; Q53FI1; Q59GX5; Q5TBN3; Q5TBN5
GenBank Nucleotide #	NM_002298.4
NCBI Official Full Name	plastin-2
NCBI Official Synonym Full Names	lymphocyte cytosolic protein 1 (L-plastin)
NCBI Official Symbol	LCP1
NCBI Official Synonym Symbols	LPL; CP64; PLS2; LC64P; FLJ25423; FLJ26114; FLJ39956; L-PLASTIN; DKFZp781A23186
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; OTTHUMP00000018362; 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
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