

ARG40335 anti-LCP1 / Plastin L antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes LCP1 / Plastin L
Tested Reactivity	Hu, Ms
Tested Application	IP, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	LCP1 / Plastin L
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 1-270 of Human LCP1 (NP_002289.2).
Conjugation	Un-conjugated
Alternate Names	LC64P; L-PLASTIN; CP64; HEL-S-37; LCP-1; LPL; L-plastin; Lymphocyte cytosolic protein 1; Plastin-2; PLS2

Application Instructions

Application table	Application	Dilution
	IP	1:20 - 1:50
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Mouse spleen and DU145	
Observed Size	67 kDa	

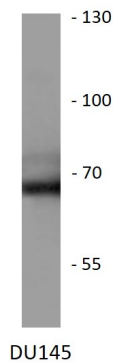
Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	LCP1
Gene Full Name	lymphocyte cytosolic protein 1 (L-plastin)
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]
Function	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. [UniProt]
Calculated Mw	70 kDa
PTM	Phosphorylated on a serine residue in response to costimulation through TCR/CD3 and CD2 or CD28. Serine phosphorylation promotes association with the actin cytoskeleton and targeting to peripheral cell projections. [UniProt]
Cellular Localization	Cytoplasm, cytoskeleton. Cell junction. Cell projection. Cell projection, ruffle membrane; Peripheral membrane protein; Cytoplasmic side. Note=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). [UniProt]

Images



ARG40335 anti-LCP1 / Plastin L antibody WB image

Western blot: 25 µg of DU145 cell lysate stained with ARG40335 anti-LCP1 / Plastin L antibody at 1:1000 dilution.



ARG40335 anti-LCP1 / Plastin L antibody IP image

Immunoprecipitation: 150 µg extracts of Jurkat cells immunoprecipitated and stained with ARG40335 anti-LCP1 / Plastin L antibody at 1:1000 dilution.

ARG40335 anti-LCP1 / Plastin L antibody WB image

Western blot: 25 µg of Mouse spleen lysate stained with ARG40335 anti-LCP1 / Plastin L antibody at 1:1000 dilution.

