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Datasheet for ABIN2729119

LCP1 Protein (Myc-DYKDDDDK Tag)

1 Image

1 Publication

Overview

Quantity:	20 µg
Target:	LCP1
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This LCP1 protein is labelled with Myc-DYKDDDDK Tag.
Application:	Antibody Production (AbP), Standard (STD)

Product Details

Characteristics:	<ul style="list-style-type: none"> • Recombinant human Plastin 2 / LCP1 protein expressed in HEK293 cells. • Produced with end-sequenced ORF clone
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Purity:	> 80 % as determined by SDS-PAGE and Coomassie blue staining
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Target Details

Target:	LCP1
Alternative Name:	Plastin 2,lcp1 (LCP1 Products)
Background:	<p>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</p>

Target Details

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.

Molecular Weight: 70.1 kDa

NCBI Accession: [NP_002289](#)

Application Details

Application Notes: Recombinant human proteins can be used for:
Native antigens for optimized antibody production
Positive controls in ELISA and other antibody assays

Comment: The tag is located at the C-terminal.

Restrictions: For Research Use only

Handling

Concentration: 50 µg/mL

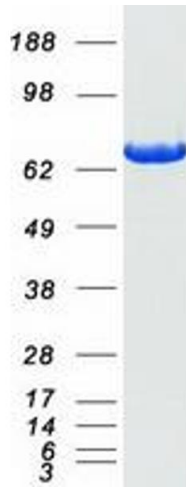
Buffer: 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10 % glycerol.

Storage: -80 °C

Storage Comment: Store at -80°C. Thaw on ice, aliquot to individual single-use tubes, and then re-freeze immediately. Only 2-3 freeze thaw cycles are recommended.

Publications

Product cited in: Dubey, Singh, Awasthi, Nagarkoti, Kumar, Ali, Chandra, Kumar, Barthwal, Jagavelu, Sánchez-Gómez, Lamas, Dikshit: "L-Plastin S-glutathionylation promotes reduced binding to β -actin and affects neutrophil functions." in: **Free radical biology & medicine**, Vol. 86, pp. 1-15, (2015) ([PubMed](#)).



Western Blotting

Image 1. Validation with Western Blot