

For Research Use Only

L-Plastin Polyclonal antibody

Catalog Number: 13025-1-AP

Featured Product

10 Publications



Basic Information

Catalog Number:

13025-1-AP

Concentration:

300 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3571

GenBank Accession Number:

BC010271

GeneID (NCBI):

3936

UNIPROT ID:

P13796

Full Name:

lymphocyte cytosolic protein 1 (L-plastin)

Calculated MW:

627 aa, 64 kDa

Observed MW:

64-70 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:500-1:2000

IP: 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC: 1:20-1:200

Applications

Tested Applications:

WB, IHC, IP, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, monkey, zebrafish, hamster

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB: Jurkat cells, K-562 cells, mouse spleen tissue

IP: Jurkat cells,

IHC: human lymphoma tissue, human small intestine tissue

Background Information

LCP1, also known as L-Plastin, is a member of the Plastin gene family. The family members include L-Plastin (LCP1), T-Plastin (PLS3), and I-Plastin (PLS1), which can regulate the dynamic reorganization of the cytoskeleton by binding and cross-linking actin filaments. In lymphocytes, LCP1 can regulate immune responses, especially during inflammation and infection. It acts as a key regulator of T-cell activation by responding to co-stimulatory signals through TCR/CD3 and CD2 or CD28, and regulates the cell-surface expression of IL2RA/CD25 and CD69 (PMID: 17294403).

Notable Publications

Author	Pubmed ID	Journal	Application
Wenfang Bao	35578065	Pharm Res	WB
Hui He	24442187	Mol Biosyst	IHC
Man-Jing Jiang	34120311	J Nat Med	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

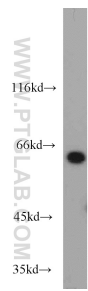
T: 4006900926

E: Proteintech-CN@ptglab.com

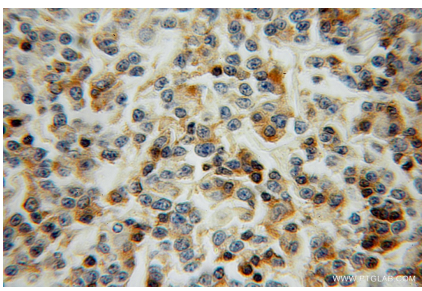
W: ptgcn.com

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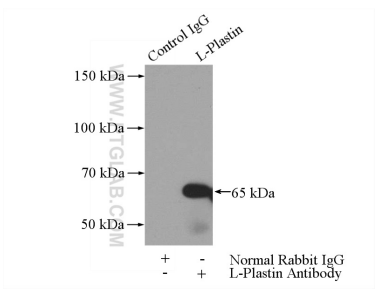
Selected Validation Data



Jurkat cells were subjected to SDS PAGE followed by western blot with 13025-1-AP (L-Plastin antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human lymphoma using 13025-1-AP (L-Plastin antibody) at dilution of 1:50 (under 10x lens).



IP result of anti-L-Plastin (IP:13025-1-AP, 4ug; Detection:13025-1-AP 1:1000) with Jurkat cells lysate 2400ug.