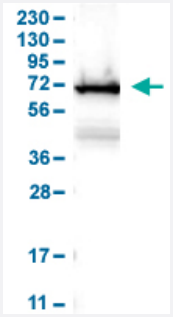
LCP1 polyclonal antibody

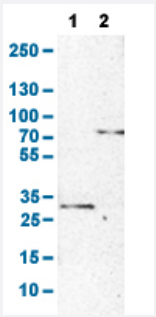
Catalog # PAB31675 Size 100 uL

Applications



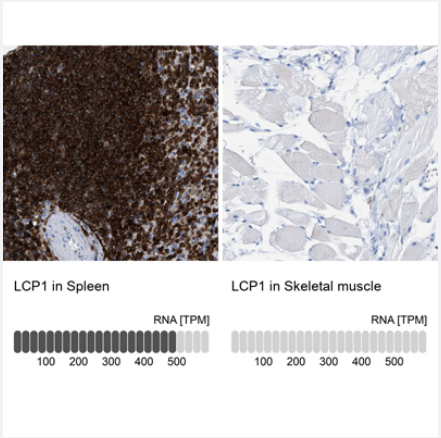
Western Blot (Cell lysate)

Western Blot analysis of human cell line RT-4.



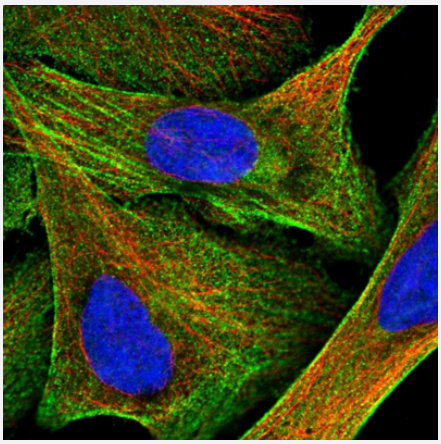
Western Blot

Western Blot analysis of (1) NIH-3T3 cell lysate (Mouse embryonic fibroblast cells), and (2) NBT-II cell lysate (Rat Wistar bladder tumour cells).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human spleen and skeletal muscle tissues. Corresponding LCP1 RNA-seq data are presented for the same tissues.



Immunofluorescence

Immunofluorescent staining of human cell line U-2 OS shows localization to plasma membrane, cytosol & actin filaments. Antibody staining is shown in green.

Specification

Product Description	Rabbit polyclonal antibody raised against partial recombinant human LCP1.
Immunogen	Recombinant protein corresponding to amino acids 18-77 of human LCP1.
Sequence	FAKVDTDGNGYISFNELNDLFKAACLPLPGYRVREITENLMATGDLDQDGRISFDEFIKI
Host	Rabbit
Reactivity	Human, Rat
Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunofluorescence (1-4 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:500-1:1000) Western Blot (0.4 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide).
Storage Instruction	Store at 4°C for short term storage. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

  Western Blot analysis of human cell line RT-4.

- Western Blot

  Western Blot analysis of (1) NIH-3T3 cell lysate (Mouse embryonic fibroblast cells), and (2) NBT-II cell lysate (Rat Wistar bladder tumour cells).

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human spleen and skeletal muscle tissues. Corresponding LCP1 RNA-seq data are presented for the same tissues.

- Immunofluorescence

  Immunofluorescent staining of human cell line U-2 OS shows localization to plasma membrane, cytosol & actin filaments. Antibody staining is shown in green.

Gene Info — LCP1

Entrez GeneID	3936
Protein Accession#	P13796
Gene Name	LCP1
Gene Alias	CP64, DKFZp781A23186, FLJ25423, FLJ26114, FLJ39956, L-PLASTIN, LC64P, LPL, PLS2
Gene Description	lymphocyte cytosolic protein 1 (L-plastin)
Omim ID	153430
Gene Ontology	Hyperlink
Gene Summary	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
Other Designations	L-plastin|L-plastin (Lymphocyte cytosolic protein 1) (LCP-1) (LC64P)|Lymphocyte cytosolic protein-1 (plasmin)|OTTHUMP00000018362|bA139H14.1 (lymphocyte cytosolic protein 1 (L-plastin))|plastin 2

Publication Reference

- Affinity proteomics reveals elevated muscle proteins in plasma of children with cerebral malaria.

  Bachmann J, Burte F, Pramana S, Conte I, Brown BJ, Orimadegun AE, Ajetunmobi WA, Afolabi NK, Akinkunmi F, Omokhodion S, Akinbami FO, Shokunbi WA, Kampf C, Pawitan Y, Uhlen M, Sodeinde O, Schwenk JM, Wahlgren M, Fernandez-Reyes D, Nilsson P.

  PLoS Pathogens 2014 Apr; 10(4):e1004038.

  Application : Array, Human, Human plasma

Disease

- Diabetes Mellitus
- Genetic Predisposition to Disease