10320 Camino Santa Fe, Suite G
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Goat Anti-LCP1 / plastin-2 Antibody (internal region)

Purified Goat Polyclonal Antibody
Catalog # AF4178a

Specification

Goat Anti-LCP1 / plastin-2 Antibody (internal region) - Product Information

Application	**WB**
Primary Accession	P13796
Other Accession	NP_002289.2
Reactivity	**Human**
Predicted	**Human**
Host	**Goat**
Clonality	**Polyclonal**
Concentration	**0.5**
Calculated MW	**70288**

Goat Anti-LCP1 / plastin-2 Antibody (internal region) - Additional Information

Gene ID 3936

Other Names
LCP1; CP64; DKFZp781A23186; FLJ25423; FLJ26114; FLJ39956; L-PLASTIN; LC64P; LPL; PLS2; lymphocyte cytosolic protein 1 (L-plastin); 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

Format
Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.

Immunogen
Peptide with sequence HLENAGCNKIGNFST, from the internal region of the protein sequence according to NP_002289.2.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
Goat Anti-LCP1 / plastin-2 Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-LCP1 / plastin-2 Antibody (internal region) - Protein Information

Name LCP1

Synonyms PLS2

Function
Actin-binding protein (PubMed:16636079, PubMed:17294403, PubMed:28493397). Plays a role in the activation of T-cells in response to costimulation through TCR/CD3 and CD2 or CD28 (PubMed:17294403). Modulates the cell surface expression of IL2RA/CD25 and CD69 (PubMed:17294403).

Cellular Location
Cytoplasm, cytoskeleton. Cell junction. Cell projection. Cell projection, ruffle membrane {ECO:0000250|UniProtKB:Q61233, ECO:0000269|PubMed:16636079}; Peripheral membrane protein {ECO:0000250|UniProtKB:Q61233}; Cytoplasmic side {ECO:0000250|UniProtKB:Q61233}. 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). {ECO:0000250|UniProtKB:Q61233, ECO:0000269|PubMed:16636079, ECO:0000269|PubMed:17294403}

Tissue Location
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

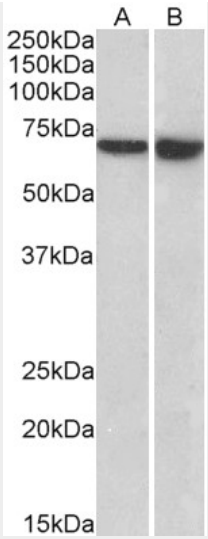
Goat Anti-LCP1 / plastin-2 Antibody (internal region) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Goat Anti-LCP1 / plastin-2 Antibody (internal region) - Images

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AF4178a (0.5 µg/ml) staining of Daudi (A) and U937 (B) lysates (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Goat Anti-LCP1 / plastin-2 Antibody (internal region) - References

Composite three-marker assay for early detection of kidney cancer. Su Kim D, Choi YD, Moon M, Kang S, Lim JB, Kim KM, Park KM, Cho NH.Su Kim D, Choi YD, Moon M, Kang S, Lim JB, Kim KM, Park KM, Cho NH.Su Kim D, Choi YD, Moon M, Kang S, Lim JB, Kim KM, Park KM, Cho NH. Cancer epidemiology, biomarkers & prevention : a publication of the American Association for Cancer Research, cosponsored by the American Society of Preventive Oncology 2013 Mar 22 (3): 390-8.