Datasheet for ABIN3023382

anti-LCP2 antibody (AA 284-533)

2 Images

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Overview

Quantity:	100 µL
Target:	LCP2
Binding Specificity:	AA 284-533
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This LCP2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 284-533 of human LCP2 (NP_005556.1).
Sequence:	KPPLPPTTER HERSSPLPGK KPPVPKHGWG PDRRENDEDD VHQRPLPQPA LLPMSSNTFP SRSTKPSPMN PLPSSHMPGA FSESNSSFPQ SASLPPYFSQ GPSNRPPIRA EGRNFPLPLP NKPRPPSPAE EENSLNEEWY VSYITRPEAE AALRKINQDG TFLVRDSSKK TTTNPYVLMV LYKDKVYNIQ IRYQKESQVY LLGTGLRGKE DFLSVSDIID YFRKMPLLLI DGKNRGSRYQ CTLTHAAGYP
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Polyclonal Antibodies

Target Details

Target:	LCP2
Alternative Name:	LCP2 (LCP2 Products)
Background:	SLP-76 was originally identified as a substrate of the ZAP-70 protein tyrosine kinase following T cell receptor (TCR) ligation in the leukemic T cell line Jurkat. The SLP-76 locus has been localized to human chromosome 5q33 and the gene structure has been partially characterized in mice. The human and murine cDNAs both encode 533 amino acid proteins that are 72 % identical and comprised of three modular domains. The NH2-terminus contains an acidic region that includes a PEST domain and several tyrosine residues which are phosphorylated following TCR ligation. SLP-76 also contains a central proline-rich domain and a COOH-terminal SH2 domain. A number of additional proteins have been identified that associate with SLP-76 both constitutively and inducibly following receptor ligation, supporting the notion that SLP-76 functions as an adaptor or scaffold protein. Studies using SLP-76 deficient T cell lines or mice have provided strong evidence that SLP-76 plays a positive role in promoting T cell development and activation as well as mast cell and platelet function.,LCP2,SLP-76,SLP76,Signal Transduction,Immunology & Inflammation,T Cell Receptor Signaling Pathway,LCP2
Molecular Weight:	60 kDa
Gene ID:	3937
UniProt:	Q13094
Pathways:	TCR Signaling, Fc-epsilon Receptor Signaling Pathway

Application Details

Application Notes:	WB,1:500 - 1:2000
Restrictions:	For Research Use only

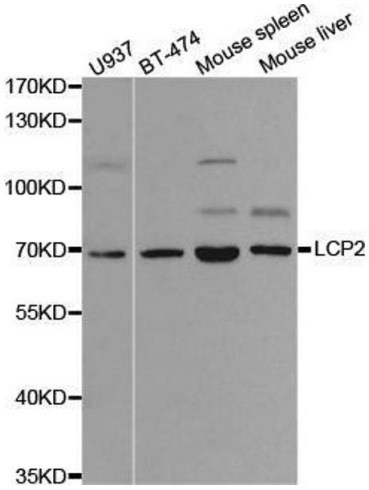
Handling

Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C

Handling

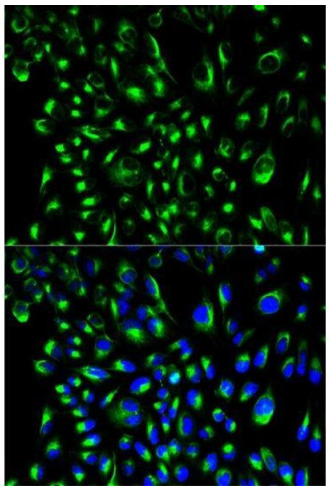
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

Images



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using LCP2 antibody.



Immunofluorescence

Image 2. Immunofluorescence analysis of HeLa cell using LCP2 antibody. Blue: DAPI for nuclear staining.