

Datasheet for ABIN7450410
anti-LCP2 antibody (AA 225-275)



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Overview

Quantity:	100 µg
Target:	LCP2
Binding Specificity:	AA 225-275
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This LCP2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunoprecipitation (IP)

Product Details

Purpose:	Rabbit anti-LCP2/SLP76 Antibody, Affinity Purified
Immunogen:	Between AA 225 and 275
Isotype:	IgG
Purification:	Affinity Purified

Target Details

Target:	LCP2
Alternative Name:	LCP2/SLP76 (LCP2 Products)
Background:	Background: Lymphocyte cytosolic protein 2 (LCP2) was originally identified as a substrate of the ZAP-70 protein tyrosine kinase following T cell receptor (TCR) ligation in the leukemic T cell

Target Details

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. LCP2 also contains a central proline-rich domain and a COOH-terminal SH2 domain. A number of additional proteins have been identified that associate with LCP2 both constitutively and inducibly following receptor ligation, supporting the notion that LCP2 functions as an adaptor or scaffold protein. Studies using SLP-76 deficient T cell lines or mice have provided strong evidence that LCP2 plays a positive role in promoting T cell development and activation as well as mast cell and platelet function [taken from NCBI Entrez Gene (Gene ID: 3937)].

Gene ID: 3937

UniProt: [Q13094](#)

Pathways: [TCR Signaling, Fc-epsilon Receptor Signaling Pathway](#)

Application Details

Application Notes: IP: 2 - 10 µg/mg lysate
WB: 1:2,000 - 1:10,000

Restrictions: For Research Use only

Handling

Concentration: 1000 µg/mL

Buffer: Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09 % Sodium Azide

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: 4 °C

Expiry Date: 12 months