

Datasheet for ABIN1713568
anti-LCP2 antibody (pTyr145)



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Overview

Quantity:	100 µL
Target:	LCP2
Binding Specificity:	pTyr145
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This LCP2 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human SLP76 (Tyr145)
Isotype:	IgG
Predicted Reactivity:	Human,Cow,Pig,Horse,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	LCP2
Alternative Name:	SLP76 (LCP2 Products)

Target Details

Background:	Synonyms: SLP76 phospho Y145, p-SLP76 Y145, p-LCP2, 76 kDa tyrosine phosphoprotein, CG8697, LCP 2, LCP 2, LCP2, LCP2_HUMAN, Lymphocyte Cytosolic Protein 2, Lymphocyte Cytosolic Protein 2, SH2 Domain Containing Leukocyte Protein 76 KD, SH2 domain containing leukocyte protein of 76kD, SH2 domain containing leukocyte protein of 76 kDa, SH2 domain-containing leukocyte protein of 76 kDa, SLP 76, SLP 76, SLP 76 tyrosine phosphoprotein, SLP-76 tyrosine phosphoprotein, SLP76, SLP76 tyrosine phosphoprotein. Background: The translational product of the Vav proto-oncogene is exclusively expressed in cells of hematopoietic origin and is critical for lymphocyte development and activation. However, the biochemical basis of Vav's function is unclear. Vav contains a single SH2 domain that is required for its association with the T cell receptor (TCR). Overexpression of Vav or SLP-76 in Jurkat cells leads to NFAT activation and IL-2 production. When co-expressed, Vav and SLP-76 synergize to induce a robust basal and TCR-mediated IL-2 response. Although SLP-76 does not contain a motif that would indicate it to be a member of the tyrosine, serine/threonine or lipid kinase families, it does contain several putative SH2/SH3-binding domains and has been shown to physically associate with the adapter protein GRB2 as well as PLC g1. The discovery of SLP-76 represents an important step in elucidating the mechanism of Vav transformation and TCR-mediated NFAT activation.
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Pathways:	TCR Signaling, Fc-epsilon Receptor Signaling Pathway
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Application Details

Application Notes:	ELISA 1:500-1000
	IHC-P 1:200-400
	IHC-F 1:100-500
	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200
	ICC 1:100-500

Restrictions:	For Research Use only
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Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

Handling

Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months