

Rabbit LCP2 Polyclonal Antibody | anti-LCP2 antibody

LCP2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326769	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

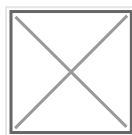
PRODUCT SYNONYMS

LCP2; Polyclonal Antibody; LCP2 Antibody; 76 kDa tyrosine phosphoprotein; CG8697; LCP 2; LCP2_HUMAN; Lymphocyte cytosolic protein 2; SH2 domain containing leukocyte protein 76 KD; SH2 domain containing leukocyte protein of 76kD; SH2 domain containing leukocyte protein of 76kDa; SH2 domain-containing leukocyte protein of 76 kDa; SLP 76; SLP 76 tyrosine phosphoprotein; SLP-76; SLP-76 tyrosine phosphoprotein; SLP76; SLP76 tyrosine phosphoprotein; anti-LCP2 antibody

PRODUCT SPECIFICATIONS

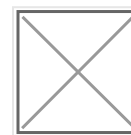
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	LCP2 antibody detects endogenous levels of total LCP2
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	533
Applicable Applications for anti-LCP2 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human LCP2
Subcellular Location	Cytoplasm.
Tissue Specificity	Highly expressed in spleen, thymus and peripheral blood leukocytes. Highly expressed also in T-cell and monocytic cell lines, expressed at lower level in B-cell lines. Not detected in fibroblast or neuroblastoma cell lines.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of Hela whole cell lysates, using LCP2 Antibody. The lane on the left is treated with the antigen-specific peptide.



IF (Immunofluorescence)

AAA326769 staining Hela cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



IHC (Immunohistochemistry)

AAA326769 at 1/100 staining Mouse testis tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-LCP2 antibody	Description: 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. Function: Involved in T-cell antigen receptor mediated signaling. Subunit Structure: Interacts with SLA. Interacts with CBLB (By similarity). Interacts with GRB2 (PubMed:7706237). Interacts with SHB (PubMed:12084069). Interacts with PRAM1 (PubMed:11301322). Interacts (via SH2 domain) with CD6 (via tyrosine phosphorylated C-terminus) (PubMed:16914752, PubMed:24584089). Interacts with FYB1 and the phosphorylated form of FYB2 (PubMed:27335501). Post-translational Modifications: Phosphorylated after T-cell receptor activation by ZAP70, ITK and TXK, which leads to the up-regulation of Th1 preferred cytokine IL-2. SYK-dependent phosphorylation is required for recruitment of PI3K signaling components. Similarity: The SH2 domain mediates interaction with phosphorylated CD6 (PubMed:16914752). The SH2 domain mediates interaction with SHB (PubMed:12084069).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	5031855
NCBI GeneID	3937
NCBI Accession #	NP_005556.1
NCBI GenBank Nucleotide #	NM_005565.4
UniProt Accession #	Q13094; Q53XV4; A8KA25
Molecular Weight	Observed: 60 kDa Predicted: 61 kDa
NCBI Official Full Name	lymphocyte cytosolic protein 2
NCBI Official Synonym Full Names	lymphocyte cytosolic protein 2
NCBI Official Symbol	LCP2
NCBI Official Synonym Symbols	SLP76; SLP-76
NCBI Protein Information	lymphocyte cytosolic protein 2
UniProt Protein Name	Lymphocyte cytosolic protein 2
UniProt Gene Name	LCP2
UniProt Synonym Gene Names	SLP76

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/lcp2-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/326769>