

Rabbit SLP76 Polyclonal Antibody | anti-SLP76 antibody

Phospho-SLP76 (Ser376) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA329474	Rabbit	Human, Mouse Predicted Reactivity: Pig (100%), Bovine (92%), Horse (100%), Sheep (92%), Rabbit (100%), Dog (100%)	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

SLP76; Polyclonal Antibody; Phospho-SLP76 (Ser376) Antibody; 76kDa tyrosine phosphoprotein; CG8697; LCP 2; LCP2; LCP2_HUMAN; Lymphocyte cytosolic protein 2; SH2 domain containing leukocyte protein 76kD; SH2 domain containing leukocyte protein of 76kD; SH2 domain containing leukocyte protein of 76kDa; SH2 domain-containing leukocyte protein of 76kDa; SLP 76; SLP 76 tyrosine phosphoprotein; SLP-76; SLP-76 tyrosine phosphoprotein; SLP76 tyrosine phosphoprotein; anti-SLP76 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse Predicted Reactivity: Pig (100%), Bovine (92%), Horse (100%), Sheep (92%), Rabbit (100%), Dog (100%)
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Phospho-SLP76 (Ser376) Antibody detects endogenous levels of SLP76 only when phosphorylated at Ser376. 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.
Purity/Purification	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho-peptide and non-phospho-peptide affinity columns.
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-SLP76 antibody	ELISA (Peptide ELISA), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human SLP76 around the phosphorylation site of Ser376.
Conjugation	Unconjugated
Fragment	Fab fragment
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.
Subunit Structure	Interacts with SLA. Interacts with CBLB (By similarity). Interacts with GRB2. Interacts with SHB. Interacts with PRAM1. Interacts (via SH2 domain) with CD6 (via tyrosine phosphorylated C-terminus). Interacts with FYB1 and the phosphorylated form of FYB2.
Similarity	The SH2 domain mediates interaction with phosphorylated CD6 (PubMed:16914752). The SH2 domain mediates interaction with SHB (PubMed:12084069).
Subcellular Location	Cytoplasm.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
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 primary antibody at 4 degree C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



WB (Western Blot)
Western blot analysis of extracts from serum-starved Jurkat H2O2, using Phospho-SLP-76 (Ser376) Antibody. Lane1 was treated with phospho-blocking peptide, Lane2 was treated with non-phospho-blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-SLP76 antibody	Involved in T-cell antigen receptor mediated signaling.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	5031855
NCBI GeneID	3937
NCBI Accession #	NP_005556.1
NCBI GenBank Nucleotide #	NM_005565.3
UniProt Accession #	Q13094; Q53XV4
Molecular Weight	533
NCBI Official Full Name	lymphocyte cytosolic protein 2
NCBI Official Synonym Full Names	lymphocyte cytosolic protein 2 (SH2 domain containing leukocyte protein of 76kDa)
NCBI Official Symbol	LCP2
NCBI Official Synonym Symbols	SLP76; SLP-76
NCBI Protein Information	lymphocyte cytosolic protein 2; 76 kDa tyrosine phosphoprotein; SLP-76 tyrosine phosphoprotein; SH2 domain-containing leukocyte protein of 76kD; SH2 domain-containing leukocyte protein of 76 kDa
UniProt Protein Name	Lymphocyte cytosolic protein 2
UniProt Gene Name	LCP2
UniProt Synonym Gene Names	SLP76
UniProt Entry Name	LCP2_HUMAN

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/slp76-antibody-peptide-elisa-immunohistochemistry-western-blot-elisa/329474>