

LCP2 / SLP-76 Antibody (aa216-434)
Rabbit Polyclonal Antibody
Catalog # ALS12936**Specification**

LCP2 / SLP-76 Antibody (aa216-434) - Product Information

Application	WB, IHC-P
Primary Accession	Q13094
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	60kDa KDa
Dilution	WB~~1:1000 IHC-P~~N/A

LCP2 / SLP-76 Antibody (aa216-434) - Additional Information**Gene ID** 3937**Other Names**

Lymphocyte cytosolic protein 2, SH2 domain-containing leukocyte protein of 76 kDa, SLP-76 tyrosine phosphoprotein, SLP76, LCP2

Target/Specificity

The polyclonal antibody reacts with SLP76, a 76kDa cytosolic adaptor protein that is involved in signaling of various hematopoietic cells, such as T cells, mast cells or neutrophils; in B cells, however, it is replaced by SLP65.

Reconstitution & Storage

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles.

Precautions

LCP2 / SLP-76 Antibody (aa216-434) is for research use only and not for use in diagnostic or therapeutic procedures.

LCP2 / SLP-76 Antibody (aa216-434) - Protein Information**Name** LCP2**Function**

Adapter protein primarily involved in signaling pathways within T-cells, as well as other immune cells such as platelets, mast cells, and natural killer (NK) cells (PubMed:11313406, PubMed:33159816). Plays a crucial role for transducing signal from the T-cell receptor (TCR) after antigen recognition leading to T-cell activation. Mechanistically, once phosphorylated by the kinase ZAP70, mediates interactions with the guanine-nucleotide exchange factor VAV1, the adapter protein NCK and the kinase ITK (PubMed:8673706)

target="_blank">8673706, PubMed:8702662). In turn, stimulates the activation of PKC-theta/PRKCQ and NF-kappa-B transcriptional activity in response to CD3 and CD28 costimulation (PubMed:11313406). Also plays an essential role in AGER- induced signaling pathways including p38 MAPK and ERK1/2 activation leading to cytokine release and pro-inflammatory responses (PubMed:33436632).

Cellular Location

Cytoplasm.

Tissue Location

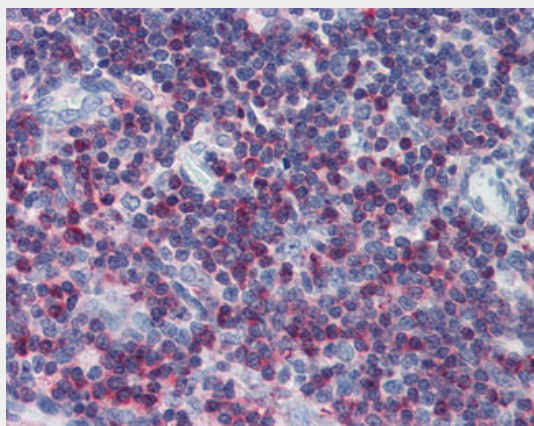
Highly expressed in spleen, thymus and peripheral blood leukocytes. Highly expressed also in T-cell and monocytic cell lines, expressed at lower level in B-cell lines. Not detected in fibroblast or neuroblastoma cell lines

LCP2 / SLP-76 Antibody (aa216-434) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

LCP2 / SLP-76 Antibody (aa216-434) - Images



Anti-LCP2 / SLP-76 antibody IHC of human thymus.

LCP2 / SLP-76 Antibody (aa216-434) - Background

Involved in T-cell antigen receptor mediated signaling.

LCP2 / SLP-76 Antibody (aa216-434) - References

Jackman J.K.,et al.J. Biol. Chem. 270:7029-7032(1995).
Kalnina N.,et al.Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.

Ota T.,et al.Nat. Genet. 36:40-45(2004).

Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.

Moog-Lutz C.,et al.J. Biol. Chem. 276:22375-22381(2001).