

SLP76 Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP51315

Product Information

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|-------------------|------------------------|
| Application | WB |
| Primary Accession | Q13094 |
| Reactivity | Human, Mouse, Rat |
| Host | Rabbit |
| Clonality | Polyclonal |
| Calculated MW | 60188 |

Additional Information

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| 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 | KLH-conjugated synthetic peptide encompassing a sequence within the center region of human SLP76. The exact sequence is proprietary. |
| Dilution | WB~~ 1:1000 |
| Format | 0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50% |
| Storage | Store at -20 °C.Stable for 12 months from date of receipt |

Protein Information

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|-------------------|---|
| 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 , 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

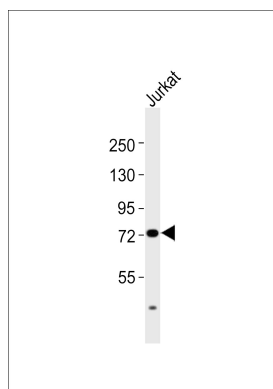
Background

Involved in T-cell antigen receptor mediated signaling.

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.
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).
Lindholm C.K.,et al.Eur. J. Biochem. 269:3279-3288(2002).

Images



Anti-SLP76 Antibody at 1:1000 dilution + Jurkat whole cell lysates. Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 60 kDa. Blocking/Dilution buffer: 5% NFDm/TBST.

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