

## Product datasheet for **AP21127PU-M**

### SLP76 (LCP2) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	<b>Western blot:</b> 1/500 - 1/1000. <b>Immunohistochemistry on paraffin sections</b> 1/50 - 1/200.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Specificity:	This antibody detects endogenous levels of SLP-76 protein. (region surrounding Gly122)
Formulation:	Phosphate buffered saline (PBS), pH 7.2. State: Aff - Purified State: Liquid purified Ig fraction Preservative: 0.05% sodium azide
Concentration:	1.0 mg/ml
Purification:	Affinity chromatography (> 95% (by SDS-PAGE)
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	~ 75 kDa
Gene Name:	lymphocyte cytosolic protein 2
Database Link:	<u><a href="#">Entrez Gene 16822 Mouse</a></u> <u><a href="#">Entrez Gene 155918 Rat</a></u> <u><a href="#">Entrez Gene 3937 Human</a></u> <u><a href="#">Q13094</a></u>



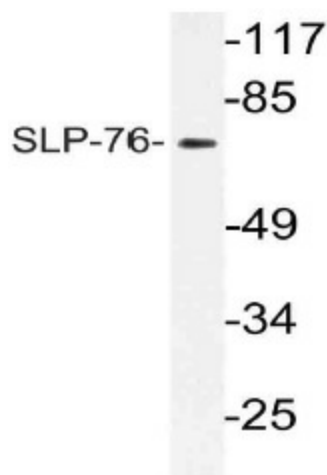
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**Background:** Overexpression of Vav or SLP-76 in Jurkat cells leads to NFAT activation and IL-2 production. When co-expressed, Vav and SLP-76 synergize to induce a robust basal and TCR-mediated IL-2 response. Although SLP-76 does not contain a motif 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.

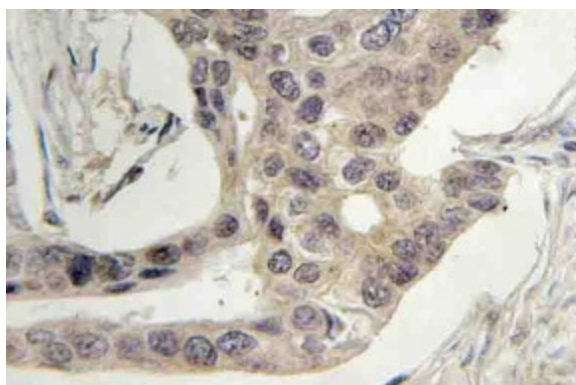
**Synonyms:** LCP2, Lymphocyte cytosolic protein 2, SLP-76 tyrosine phosphoprotein, SLP76

**Protein Pathways:** Fc epsilon RI signaling pathway, Natural killer cell mediated cytotoxicity, T cell receptor signaling pathway

### Product images:



Western blot (WB) analysis of SLP-76 antibody (Cat.-No.: [AP21127PU-N]) in extracts from Jurkat cells.



Immunohistochemistry (IHC) analyzes of SLP-76 antibody (Cat.-No.: [AP21127PU-N]) in paraffin-embedded human breast carcinoma tissue.