

Product datasheet for **AP21127PU-N**

SLP76 (LCP2) Rabbit Polyclonal Antibody

Product data:

| | |
|-------------------------|---|
| Product Type: | Primary Antibodies |
| Applications: | IHC, WB |
| Recommended Dilution: | Western blot: 1/500 - 1/1000. Immunohistochemistry on paraffin sections 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>Entrez Gene 16822 Mouse</u> <u>Entrez Gene 155918 Rat</u> <u>Entrez Gene 3937 Human</u> <u>Q13094</u> |



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Background:

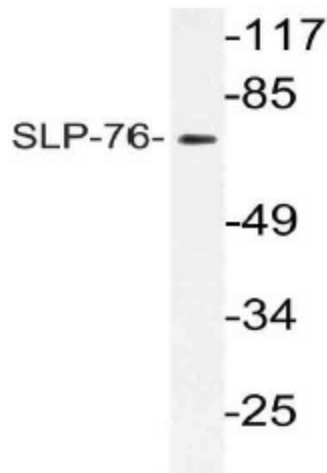
Overexpression of Vav or SLP-76 in Jurkat cells leads to NFAT activation and IL-2 production. When co-expressed, Vav and SLP-76 synergize to induce a robust basal and TCR-mediated IL-2 response. Although SLP-76 does not contain a motif that would indicate it to be a member of the tyrosine, serine/threonine 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:

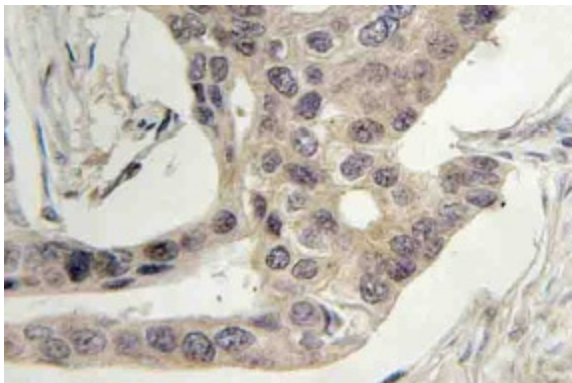
LCP2, Lymphocyte cytosolic protein 2, SLP-76 tyrosine phosphoprotein, SLP76

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.