



## SLP-76 (phospho-Ser376) rabbit pAb

|                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
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| <b>Catalog No</b>                  | YP-Ab-13862                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Isotype</b>                     | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Reactivity</b>                  | Human;Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Applications</b>                | WB;ELISA;IHC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Gene Name</b>                   | LCP2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Immunogen</b>                   | Synthesized phosho peptide around human SLP-76 (Ser376)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Specificity</b>                 | This antibody detects endogenous levels of Human Mouse SLP-76 (phospho-Ser376)                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Formulation</b>                 | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Source</b>                      | Polyclonal, Rabbit,IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Purification</b>                | The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Dilution</b>                    | WB 1:500-2000;IHC-p 1:50-300; ELISA 2000-20000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Concentration</b>               | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Purity</b>                      | ≥90%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Storage Stability</b>           | -20°C/1 year                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Synonyms</b>                    | 76 kDa tyrosine phosphoprotein;CG8697;LCP 2;LCP2;LCP2_HUMAN; Lymphocyte cytosolic protein 2;SH2 domain containing leukocyte protein 76 KD; SH2 domain containing leukocyte protein of 76kD;SH2 domain containing leukocyte protein of 76kDa;SH2 domain-containing leukocyte protein of 76 kDa; SLP 76;SLP 76 tyrosine phosphoprotein;SLP-76;SLP-76 tyrosine phosphoprotein;SLP76;SLP76 tyrosine phosphoprotein;SLP-76 (Ser376); Lymphocyte cytosolic protein 2 (SH2 domain-containing leukocyte protein of 76 kDa) (SLP-76 tyrosine phosphoprotein) (SLP76) |
| <b>Observed Band</b>               | 75kD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Calculated Molecular Weight</b> | 75kD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Cell Pathway</b>                | Cytoplasm .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Tissue Specificity</b>          | 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.                                                                                                                                                                                                                                                                                                                             |
| <b>Function</b>                    | domain:The SH2 domain mediates interaction with SHB.,function:Involved in T-cell antigen receptor mediated signaling.,PTM:Phosphorylated after T-cell receptor activation by ZAP-70.,similarity:Contains 1 SAM (sterile alpha motif)                                                                                                                                                                                                                                                                                                                        |



domain.,similarity:Contains 1 SH2 domain.,subunit:Interacts with SLA. Interacts with CBLB (By similarity). Interacts with the adapter proteins GRB2 and FYB. Interacts with SHB. Interacts with PRAM1.,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 neuroblasatoma cell lines.,

## Background

SLP-76 was originally identified as a substrate of the ZAP-70 protein tyrosine kinase following T cell receptor (TCR) ligation in the leukemic T cell line Jurkat. The SLP-76 locus has been localized to human chromosome 5q33 and the gene structure has been partially characterized in mice. The human and murine cDNAs both encode 533 amino acid proteins that are 72% identical and comprised of three modular domains. The NH2-terminus contains an acidic region that includes a PEST domain and several tyrosine residues which are phosphorylated following TCR ligation. SLP-76 also contains a central proline-rich domain and a COOH-terminal SH2 domain. A number of additional proteins have been identified that associate with SLP-76 both constitutively and inducibly following receptor ligation, supporting the notion that SLP-76 functions as an adaptor or scaffold protein. Studies using SLP-76 deficient T c

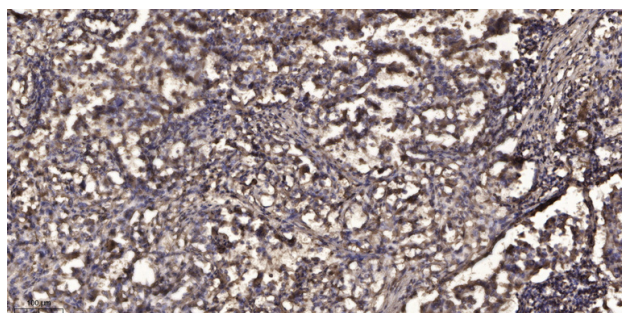
## matters needing attention

Avoid repeated freezing and thawing!

## Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images



Immunohistochemical analysis of paraffin-embedded human Squamous cell carcinoma of lung. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).