

SLP-76 Polyclonal Antibody

Catalog No: YT5071

Reactivity: Human; Mouse; Rat

Applications: WB;IHC;IF;ELISA

Target: SLP-76

Fields: >>Rap1 signaling pathway;>>Osteoclast differentiation;>>Platelet

activation;>>Natural killer cell mediated cytotoxicity;>>T cell receptor signaling

pathway;>>Fc epsilon RI signaling pathway;>>Yersinia infection

Gene Name: LCP2

Protein Name: Lymphocyte cytosolic protein 2

Q13094

Q60787

Human Gene Id: 3937

Human Swiss Prot

No:

Mouse Gene Id: 16822

Mouse Swiss Prot

No:

Immunogen: Synthesized peptide derived from SLP-76. at AA range: 270-350

Specificity: SLP-76 Polyclonal Antibody detects endogenous levels of SLP-76 protein.

Formulation : Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source: Polyclonal, Rabbit, IgG

Dilution: WB 1:500 - 1:2000. IHC: 1:100-300 ELISA: 1:10000.. IF 1:50-200

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Concentration: 1 mg/ml

1/3



Storage Stability: -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band: 60kD

Cell Pathway: Natural killer cell mediated cytotoxicity; T_Cell_Receptor; Fc epsilon RI;

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

Function: 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...

Subcellular Location :

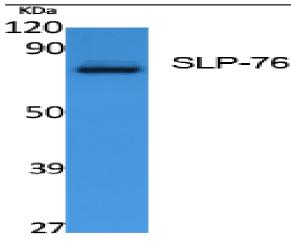
Cytoplasm.

Expression: Highly expressed in spleen, thymus and peripheral blood leukocytes. Highly

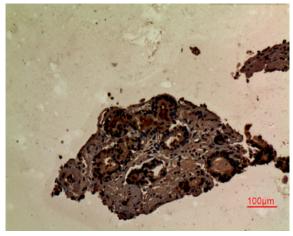
expressed also in T-cell and monocytic cell lines, expressed at lower level in B-

cell lines. Not detected in fibroblast or neuroblastoma cell lines.

Products Images



Western Blot analysis of extracts from Jurkat cells, using SLP-76 Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded human-prostate-cancer, antibody was diluted at 1:100