

SLP76 (pY128) Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP51657

Product Information

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

Additional Information

Gene ID	3937
Other Names	Lymphocyte cytosolic protein 2, SH2 domain-containing leukocyte protein of 76 kDa, SLP-76 tyrosine phosphoprotein, SLP76, LCP2
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

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

Background

Involved in T-cell antigen receptor mediated signaling.

References

- Jackman J.K.,et al.J. Biol. Chem. 270:7029-7032(1995).
Kalnine 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).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.