

Product name:	Lck BP-1 (phospho Tyr397) Rabbit Polyclonal Antibody
Cat number:	ABN04948
Conjugate:	Unconjugated
Size:	100μL
Clone:	Polyclonal
Concentration:	1mg/ml
Host:	Rabbit
Isotype:	IgG
Immunogen:	The antiserum was produced against synthesized peptide derived from human HS1 around the phosphorylation site of Tyr397. AA range:366-415
Reactivity:	Human,Rat,Mouse
Applications:	WB 1:500-1:2000,IHC 1:50-1:300
Molecular Weight:	55kDa
Purification:	Affinity purification
Form:	Liquid
Buffer:	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Storage:	Store at 4°C short term. Aliquot and store at -20°C for 12 months. Avoid freeze/thaw cycles.

Background:

developmental stage: Expressed in early stage of myeloid and erythroid differentiation., function: Substrate of the antigen receptor-coupled tyrosine kinase. Plays a role in antigen receptor signaling for both clonal expansion and deletion in lymphoid cells. May also be involved in the regulation of gene expression., PTM: Phosphorylated by LYN; rapidly after cross-linking of surface IgM on B-cells., similarity: Contains 1 SH3 domain., similarity: Contains 4 cortactin repeats., subunit: Associates with the SH2 and SH3 domains of LCK. Binding to the LCK SH3 domain occurs constitutively, while binding to the LCK SH2 domain occurs only upon TCR stimulation. A similar binding pattern was observed with LYN, but not with FYN in which the FYN SH2 region associates upon TCR stimulation but the FYN SH3 region does not associate regardless of TCR stimulation. Directly associates with HAX1, through binding to its C-terminal region. Interacts with HS1BP3., tissue specificity: Expressed only in tissues and cells of hematopoietic origin., developmental stage: Expressed in early stage of myeloid and erythroid differentiation., function: Substrate of the antigen receptor-coupled tyrosine kinase. Plays a role in antigen receptor signaling for both clonal expansion and deletion in lymphoid cells. May also be involved in the regulation of gene expression., PTM: Phosphorylated by LYN; rapidly after cross-linking of surface IgM on B-cells., similarity: Contains 1 SH3 domain., similarity: Contains 4 cortactin repeats., subunit: Associates with the SH2 and SH3 domains of LCK. Binding to the LCK SH3 domain occurs constitutively, while binding to the LCK SH2 domain occurs only upon TCR stimulation. A similar binding pattern was observed with LYN, but not with FYN in which the FYN SH2 region associates upon TCR stimulation but the FYN SH3 region does not associate regardless of TCR stimulation. Directly associates with HAX1, through binding to its C-terminal region. Interacts with HS1BP3., tissue specificity: Expressed only in tissues and cells of hematopoietic origin.,