



Lck BP-1 (phospho Tyr397) Monoclonal Antibody

Catalog No	BYmab-03546
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB
Gene Name	HCLS1
Protein Name	Hematopoietic lineage cell-specific protein
Immunogen	The antiserum was produced against synthesized peptide derived from human HS1 around the phosphorylation site of Tyr397. AA range:366-415
Specificity	Phospho-Lck BP-1 (Y397) Monoclonal Antibody detects endogenous levels of Lck BP-1 protein only when phosphorylated at Y397.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	HCLS1; HS1; Hematopoietic lineage cell-specific protein; Hematopoietic cell-specific LYN substrate 1; LckBP1; p75
Observed Band	55kD
Cell Pathway	Membrane ; Peripheral membrane protein . Cytoplasm . Mitochondrion .
Tissue Specificity	Expressed only in tissues and cells of hematopoietic origin.
Function	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

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stimulation but the FYN SH3 region does not associate regardless of TCR stimulation. Directly associates with HAX1, through binding to i

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.,

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

