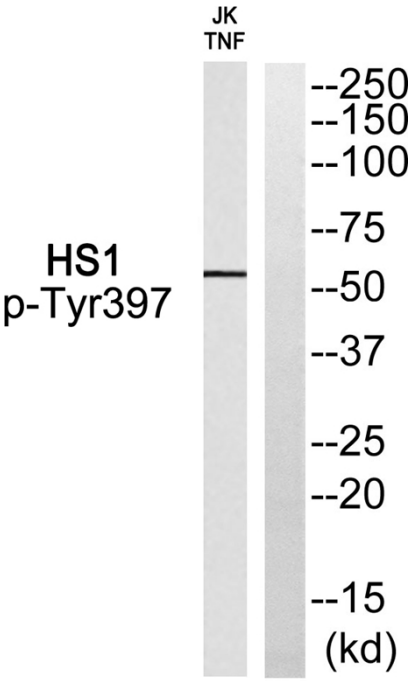
Lck BP-1 (phospho Tyr397) Polyclonal Antibody

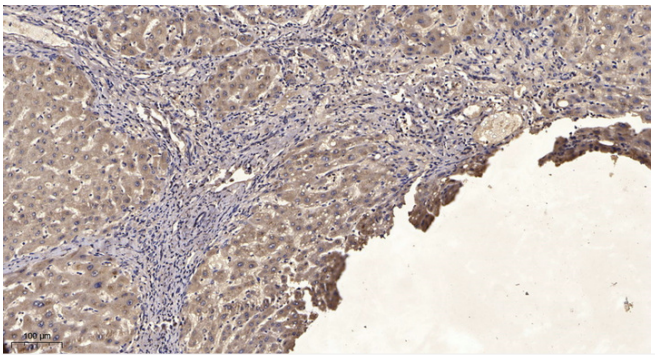
Catalog No	BYab-19877
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;IHC
Gene Name	HCLS1
Protein Name	Hematopoietic lineage cell-specific protein
Immunogen	The antiserum was produced against synthesized peptide derived from human HS1 around the phosphorylation site of Tyr397. AA range:366-415
Specificity	Phospho-Lck BP-1 (Y397) Polyclonal 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	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000;IHC-p 1:50-300
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 he 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 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 he 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



Western blot analysis of HS1 (Phospho-Tyr397) Antibody. The lane on the right is blocked with the HS1 (Phospho-Tyr397) peptide.



Immunohistochemical analysis of paraffin-embedded human liver cancer. 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).