

## Lck BP-1 (phospho Tyr378) Polyclonal Antibody

Catalog No: #13748



Package Size: #13748-1 50ul #13748-2 100ul

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## Description

Product Name	Lck BP-1 (phospho Tyr378) Polyclonal Antibody
Host Species	Rabbit
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	WB,ELISA
Species Reactivity	Human
Specificity	Phospho-Lck BP-1 (Y378) Polyclonal Antibody detects endogenous levels of Lck BP-1 protein only when phosphorylated at Y378.
Immunogen Description	Synthesized phospho-peptide around the phosphorylation site of human Lck BP-1 (phospho Tyr378)
Other Names	HCLS1; HS1; Hematopoietic lineage cell-specific protein; Hematopoietic cell-specific LYN substrate 1; LckBP1; p75
Accession No.	Swiss Prot:P14317GeneID:3059
Uniprot	P14317
GeneID	3059
SDS-PAGE MW	78
Concentration	1 mg/ml
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	-20°C/1

## Application Details

Western Blot: 1/500 - 1/2000. ELISA: 1/40000. Not yet tested in other applications.

## 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.,

Note: This product is for in vitro research use only