

**anti-Lck BP-1 (HS1)**

Cat #: HM1178  
Rabbit polyclonal IgG  
0.2 µg/µl, store at 4 °C

For research use only

**BACKGROUND**

Lck is a lymphocyte-specific Src family tyrosine kinase. A Lck signaling intermediate, designated Lck BP-1 (Lck binding protein-1, also known as HS1 or SPY75) associates directly with the Lck SH3 domain via two proline-rich regions. Lck BP-1 also contains four tandem 37 amino acid repeats that form a putative helix-loop-helix DNA binding motif. Lck BP-1 is tyrosine phosphorylated in T cells subsequent to TCR activation. It can be phosphorylated by Syk and Lyn. Lck BP-1 plays a role in the translocation of the protein to the membrane and is involved in the cytoskeleton rearrangement triggered by thrombin in human platelets. It also plays a role in antigen receptor signaling for both clonal expansion and deletion in lymphoid cells.

**SPECIFICITY**

This antibody reacts with Lck BP-1 of mouse, rat and human origin by Western Blotting immunoprecipitation and immunofluorescence

Molecular Weight of Lck BP-1: 85 kDa.  
Positive Controls: Ramos cell lysate.

**IMMUNOGEN**

A peptide at the carboxy terminus of human Lck BP-1.

**STORAGE**

This antibody is stable for 12 months when stored at 2-8°C.

**REFERENCES**

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