bs-2649R **[Primary Antibody]**

Lck Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 3932 **SWISS:** P06239

Target: Lck

Immunogen: KLH conjugated synthetic peptide derived from human Lck: 421-509/509.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: This gene is a member of the Src family of protein tyrosine kinases (PTKs). The encoded protein is a key signaling molecule in the selection and maturation of developing T-cells. It contains N-terminal sites for myristylation and palmitylation, a PTK domain, and SH2 and SH3 domains which are involved in mediating protein-protein interactions with phosphotyrosine-containing and proline-rich motifs, respectively. The protein localizes to the plasma membrane and pericentrosomal vesicles, and binds to cell surface receptors, including CD4 and CD8, and other signaling molecules. Multiple alternatively spliced variants, encoding the same protein, have been described. [provided by RefSeq, Jul 2008].

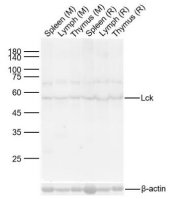
Applications: **WB** (1:500-2000)

Reactivity: Mouse, Rat (predicted: Human, Rabbit, Sheep, Cow, Dog, Horse)

Predicted MW.: 56 kDa

Subcellular Location: Cell membrane ,Cytoplasm

VALIDATION IMAGES



Sample: Lane 1: Mouse Spleen Lysates Lane 2: Mouse Lymph Lysates Lane 3: Mouse Thymus Lysates Lane 4: Rat Spleen Lysates Lane 5: Rat Lymph Lysates Lane 6: Rat Thymus Lysates
Primary: Anti-Lck (bs-2649R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 56kDa
Observed band size: 56kDa

SELECTED CITATIONS

- **[IF=11]** Chyuan I-Tsu. et al. Association of TRAIL receptor with phosphatase SHP-1 enables repressing T cell receptor signaling and T cell activation through inactivating Lck. J BIOMED SCI. 2024 Dec;31(1):1-16 IF ;Mouse. 38532423