

Phospho-LYN (Tyr397)/LCK (Tyr394)/HCK (Tyr411)/BLK (Tyr389) (E5L3D) Rabbit mAb**Orders:** 877-616-CELL (2355)
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| Applications: W, IP, FC-FP | Reactivity: H M | Sensitivity: Endogenous | MW (kDa): 60 | Source/Isotype: Rabbit IgG | UniProt ID: #P07947, #P07948, #P06239, #P08631, #P12931, #P06241 | Entrez-Gene Id: 7525, 4067, 3932, 3055, 6714, 2534 |
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| Product Usage Information | Application Western Blotting Immunoprecipitation Flow Cytometry (Fixed/Permeabilized) | Dilution 1:1000 1:100 1:200 - 1:800 |
| Storage | Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at -20°C. <i>Do not aliquot the antibody.</i> | |
| Specificity/Sensitivity | Phospho-LYN (Tyr397)/LCK (Tyr394)/HCK (Tyr411)/BLK (Tyr389) (E5L3D) Rabbit mAb detects endogenous levels of LYN, LCK, HCK, and BLK only when phosphorylated at Tyr397, Tyr394, Tyr411, and Tyr389, respectively. It may cross react with overexpressed phosphorylated Src, YES, FYN, and FGR. | |
| Source / Purification | Monoclonal antibody is produced by immunizing animals with a synthetic phosphopeptide corresponding to residues surrounding Tyr397 of human LYN protein. | |
| Background | The Src family of protein tyrosine kinases, which includes Src, Lyn, Fyn, Yes, Lck, Blk, and Hck, are important in the regulation of growth and differentiation of eukaryotic cells (1). Src activity is regulated by tyrosine phosphorylation at two sites, but with opposing effects. While phosphorylation at Tyr416 in the activation loop of the kinase domain upregulates enzyme activity, phosphorylation at Tyr530 in the carboxy-terminal tail by Csk renders the enzyme less active (2). | |
| Background References | 1. Thomas, S.M. and Brugge, J.S. (1997) <i>Annu Rev Cell Dev Biol</i> 13, 513-609. 2. Hunter, T. (1987) <i>Cell</i> 49, 1-4. | |

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| Species Reactivity | Species reactivity is determined by testing in at least one approved application (e.g., western blot). |
| Western Blot Buffer | IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight. |
| Applications Key | W: Western Blotting IP: Immunoprecipitation FC-FP: Flow Cytometry (Fixed/Permeabilized) |
| Cross-Reactivity Key | H: Human M: Mouse |
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