

LYN antibody

Catalog No: #38357



Package Size: #38357-1 50ul #38357-2 100ul

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)  
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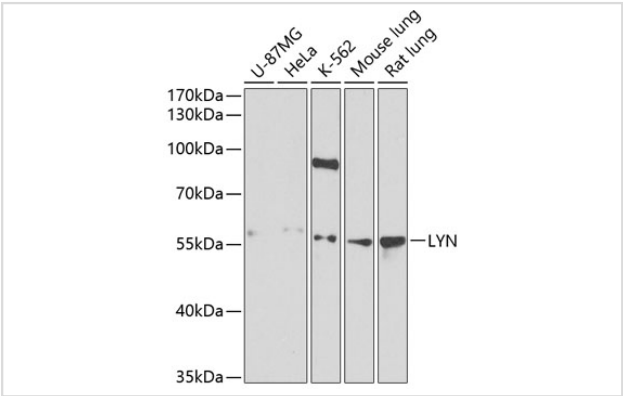
Description

|                       |   |
|-----------------------|---|
| Product Name          | LYN antibody  |
| Host Species          | Rabbit  |
| Clonality             | Polyclonal  |
| Purification          | Antibodies were purified by affinity purification using immunogen.  |
| Applications          | WB  |
| Species Reactivity    | Human,Mouse,Rat   |
| Specificity           | The antibody detects endogenous level of total LYN protein.   |
| Immunogen Type        | Recombinant Protein   |
| Immunogen Description | Recombinant protein of human LYN.   |
| Target Name           | LYN   |
| Other Names           | FLJ26625; JTK8;   |
| Accession No.         | Swiss-Prot#: P07948NCBI Gene ID: 4067   |
| Uniprot               | P07948  |
| GeneID                | 4067;   |
| SDS-PAGE MW           | 59kd  |
| Concentration         | 1.0mg/ml  |
| Formulation           | Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| Storage               | Store at -20°C  |

Application Details

WB 1:500 - 1:2000

Images



Western blot analysis of extracts of various cell lines, using LYN at 1:1000 dilution.

## Background

Lyn, one of the Src family members, is predominantly expressed in hematopoietic cells (1). Two tyrosine residues have been reported to play a crucial role in the regulation of protein tyrosine kinases of the Src family. Autophosphorylation of Tyr396 (equivalent to Tyr416 of Src), located in the catalytic domain, correlates with enzyme activation. Csk-mediated phosphorylation of the carboxy-terminal Tyr507 (equivalent to Tyr527 of Src) inactivates the kinase. Tyrosine phosphorylation and activation of Lyn occurs upon association with cell surface receptors such as the B cell Ag receptor (BCR) and CD40 (2-4). Studies using knockout mice have shown that the net effect of Lyn deficiency is to render B cells hypersensitive to BCR stimulation (5-7), suggesting that the most critical role for Lyn in vivo is in the down-regulation of B cell responses. Lyn is also involved in controlling the migration and development of specific B cell populations (8).

Note: This product is for in vitro research use only