

Anti-LYN Purified Monoclonal Antibody

Catalog Number: M01424

About LYN

Lyn is a Src-family protein tyrosine kinase that is predominantly expressed in hematopoietic cells. It is associated with a number of cell surface receptors including the B cell antigen receptor (BCR) and Fc receptors. Upon their triggering, Lyn phosphorylates subunits of these receptors in a cholesterol-dependent manner, utilizing the plasma membrane lipid raft system. The phosphorylated intracellular domains of the receptors are accessible for cytoplasmic Syk tyrosine kinase, which is activated by Lyn-mediated phosphorylation and which transduces the signal to downstream adaptors. Lyn is abnormally distributed in acute myeloid leukemia cells and seems to be a novel pharmacologic target of this disease.

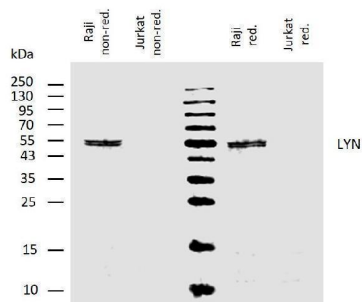
Overview

Product Name	Anti-LYN Purified Monoclonal Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-LYN Purified Monoclonal Antibody (Catalog# M01424). Tested in IP, WB, ICC application(s). This antibody reacts with Rat, Human, Mouse.
Application	IP, ICC, WB
Clonality	Monoclonal LYN-01
Formulation	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Storage Instructions	Store at 2-8°C. Do not freeze.
Host	Mouse
Uniprot ID	P07948

Technical Details

Immunogen	Bacterially expressed recombinant fragment of human Lyn (aa 8 - 238). The antibody LYN-01 reacts with Lyn (p56/p53), a non-receptor Src-family tyrosine kinase expressed in hematopoietic tissues (intracellular antigen).
Predicted Reactive Species	Primate
Isotype	Mouse IgG1
Form	Liquid
Concentration	1 mg/ml
Purification	Purified by protein-A affinity chromatography.
Suggested Dilutions	Western blotting: 1-2 ug/ml.

Anti-LYN Purified Monoclonal Antibody (M01424) Images



Western blotting analysis of human LYN using mouse monoclonal antibody LYN-01 on lysates of Raji cell line and Jurkat cell line (LYN non-expressing cell line; negative control) under non-reducing and reducing conditions. Nitrocellulose membrane was probed with 2 µg/ml of mouse anti-LYN monoclonal antibody followed by IRDye800-conjugated anti-mouse secondary antibody. LYN was detected around 55 kDa.

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