
SYK Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 250530

Unit: 0.1 mg

Description:

SYK (Spleen tyrosine kinase), along with Zap-70, is a member of the Syk family of cytoplasmic tyrosine kinases that contain a dual SH2 domain separated by a linker region. In B cells, SYK couples the B-cell antigen receptor (BCR) to the mobilization of calcium ion either through a phosphoinositide 3-kinase-dependent pathway, when not phosphorylated on tyrosines of the linker region, or through phosphorylation/activation of phospholipase C-gamma, when phosphorylated on Tyr-348 and Tyr-352. Phosphorylation on Tyr-323 creates a binding site for c-Cbl, which is a negative regulator of BCR-stimulated calcium signaling. Also transmits signals from other cell surface receptors including the T-cell receptor, CD74, Fc receptor, and integrins. Abnormal constitutive SYK activity has been implicated in some hematopoietic malignancies.

Isotype: Rabbit Ig

Applications: E, WB, IHC

Species Reactivity: H, M, R, B, P, D

Format: Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4 with 0.09% sodium azide. Antibody was purified by Protein-G affinity chromatography.

Alternate Names: SYK; Spleen Tyrosine Kinase; Tyrosine-protein kinase SYK

Accession No.: P43405

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within the center region of human SYK.

Application Notes: E: 1:500-1:1,000; WB: 1:100-1:500; IHC: 1:100-1:500

Storage: Store at -20°C. Minimize freeze-thaw cycles.

Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.