# Syk (phospho-Y323) polyclonal antibody

Catalog: BS4878 Host: Rabbit Reactivity: Human,Mouse,Rat

## BackGround:

Syk (spleen tyrosine kinase) is a 635 amino acid protein that contains one protein kinase domain and two SH2 domains. One of several members of the protein kinase superfamily, Syk functions as a positive effector of B cell antigen receptor (CD79)-stimulated responses, coupling CD79 with the movement of one calcium ion through one of two phospho-regulated pathways. Via its ability to influence CD79 activity and to control the movement of calicum through the cell, Syk plays an important role in a variety of cellular responses, including differentiation, phagocytosis, proliferation and B cell development. Syk expression is upregulated in T cell lymphoma, suggesting a possible role for Syk in tumorigenesis. Two isoforms of Syk, designated short and long, exist due to alternative splicing events.

## Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

## Molecular Weight:

~ 72 kDa

## Swiss-Prot:

P43405

## Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

## Applications:

WB: 1:500~1:1000

IHC: 1:50~1:200

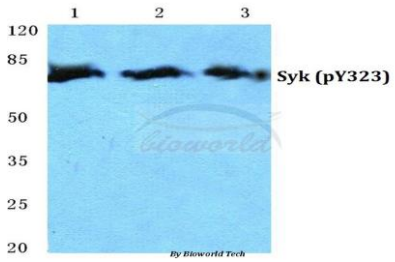
## Storage&Stability:

Store at 4℃ short term. Aliquot and store at -20℃ long term. Avoid freeze-thaw cycles.

## Specificity:

p-Syk (Y323) polyclonal antibody detects endogenous levels of Syk protein only when phosphorylated at Tyr323.

## DATA:




Western blot (WB) analysis of p-Syk (Y323) polyclonal antibody at 1:500 dilution

Lane1:Hela cell lysate treated with UV(24h)

Lane2:Raw264.7 cell lysate treated with UV(24h)

Lane3:H9C2 cell lysate treated with UV(24h)

## Note:

For research use only, not for use in diagnostic procedure.

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