

## SYK (Phospho-Tyr352) Antibody

Catalog No: #11827

Package Size: #11827-1 50ul #11827-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

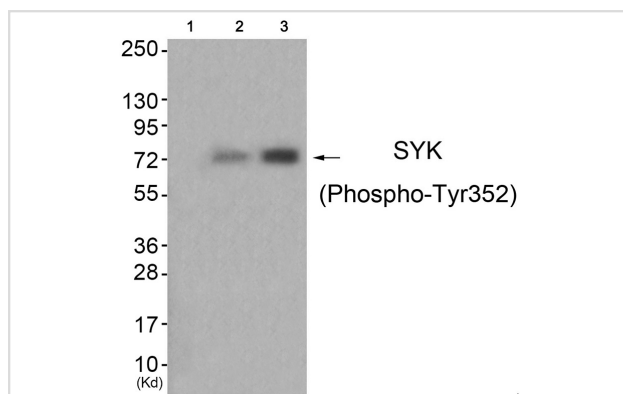
## Description

|                       |   |
|-----------------------|---|
| Product Name          | SYK (Phospho-Tyr352) Antibody   |
| Host Species          | Rabbit  |
| Clonality             | Polyclonal  |
| Purification          | Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates.<br>Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide. |
| Applications          | WB,ELISA  |
| Species Reactivity    | Human,Mouse,Rat   |
| Specificity           | The antibody detects endogenous levels of SYK only when phosphorylated at tyrosine 352.   |
| Immunogen Type        | Peptide-KLH   |
| Immunogen Description | Peptide sequence around phosphorylation site of tyrosine 352(S-P-Y(p)-A-D) derived from Human SYK.  |
| Target Name           | SYK   |
| Modification          | Phospho   |
| Other Names           | SYK; KSYK; FLJ25043; FLJ37489;  |
| Accession No.         | Swiss-Prot#: P43405; NCBI Gene#: 6850; NCBI Protein#: NP_001167638.1.   |
| Uniprot               | P43405  |
| GeneID                | 6850;   |
| SDS-PAGE MW           | 72kd  |
| Concentration         | 1.0mg/ml  |
| Formulation           | Rabbit IgG in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.  |
| Storage               | Store at -20°C/1 year   |

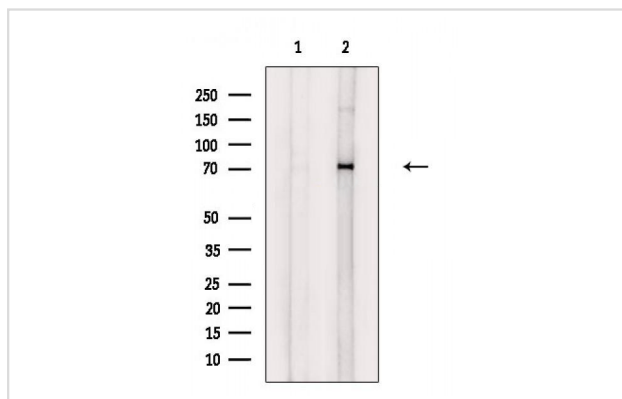
## Application Details

Western blotting: 1:500~1:1000

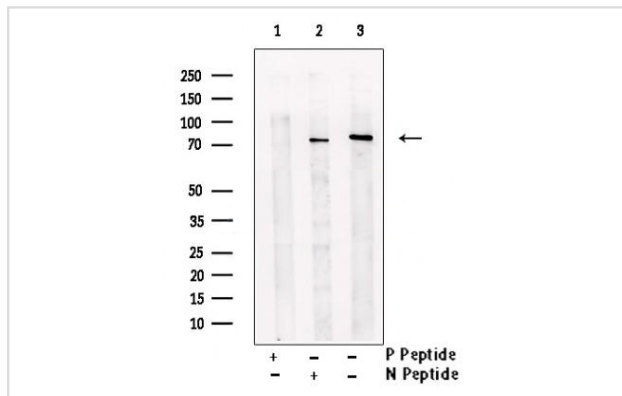
## Images



Western blot analysis of extracts from HuvEc cells (Lane 2) and HepG2 cells (Lane 3), using SYK (Phospho-Tyr352) Antibody #11827. The lane on the left is treated with antigen-specific peptide.



Western blot analysis of extracts from HeLa cells (1hUV treatment), using Phospho-SYK (Tyr352) Antibody. The lane on the left was treated with blocking peptide.



Western blot analysis of extracts from JurkatB H<sub>2</sub>O<sub>2</sub>, using Phospho-Syk (Tyr352) Antibody. Lane1 was treated with phospho-blocking peptide, Lane2 was treated with non-phospho-blocking peptide.

## Background

Positive effector of BCR-stimulated responses. 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 a phospholipase C-gamma-dependent pathway, when phosphorylated on Tyr-348 and Tyr-352. Thus the differential phosphorylation of Syk can determine the pathway by which BCR is coupled to the regulation of intracellular calcium ion

Yagi S., Biochem. Biophys. Res. Commun. 200:28-34(1994).

Law C.-L., J. Biol. Chem. 269:12310-12319(1994).

Note: This product is for in vitro research use only