

## syk(phospho-Tyr323) Antibody

Catalog No: #11546

Package Size: #11546-1 50ul #11546-2 100ul

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## Description

Product Name	syk(phospho-Tyr323) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.
Applications	WB IHC IF
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of syk only when phosphorylated at tyrosine 323.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of tyrosine 323 (N-P-Y(p)-E- P) derived from Human syk.
Target Name	syk
Modification	Phospho
Other Names	Spleen tyrosine kinase
Accession No.	Swiss-Prot: P43405NCBI Protein: NP_001128524.1
Uniprot	P43405
GeneID	6850;
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL 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 for long term preservation (recommended). Store at 4°C for short term use.

## Application Details

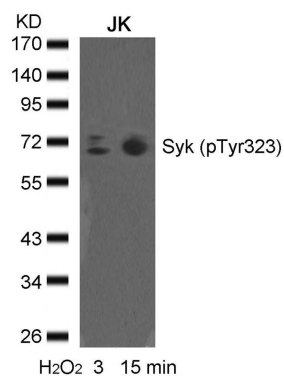
Predicted MW: 72kd

Western blotting: 1:500~1:1000

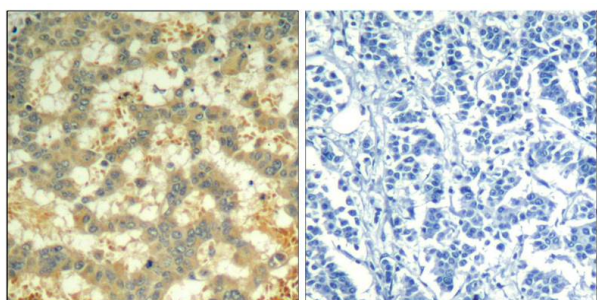
Immunohistochemistry: 1:50~1:100

Immunofluorescence: 1:100~1:200

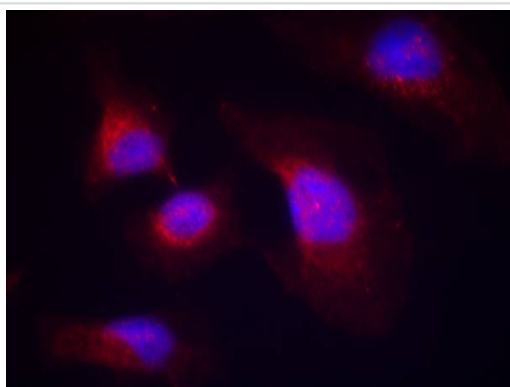
## Images



Western blot analysis of extracts from JK cells untreated or treated with H<sub>2</sub>O<sub>2</sub> for the indicated times, using syk(phospho-Tyr323) Antibody #11546.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using syk(Phospho-Tyr323) Antibody #11546(left) or the same antibody preincubated with blocking peptide(right).



Immunofluorescence staining of methanol-fixed HeLa cells using syk(phospho-Tyr323) Antibody #11546.

## 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

Zhang, J. et al. (2000) *J. Biol. Chem.* 275, 35442-35447.

Turner, M. et al. (2000) *Immunol. Today* 21, 148-154.

Decker, M. et al. (1998) *J. Biol. Chem.* 273, 8867-8874.

Law, C.L. et al. (1996) *Mol. Cell. Biol.* 16, 1305-1315.

Note: This product is for in vitro research use only